

FIG. 1.

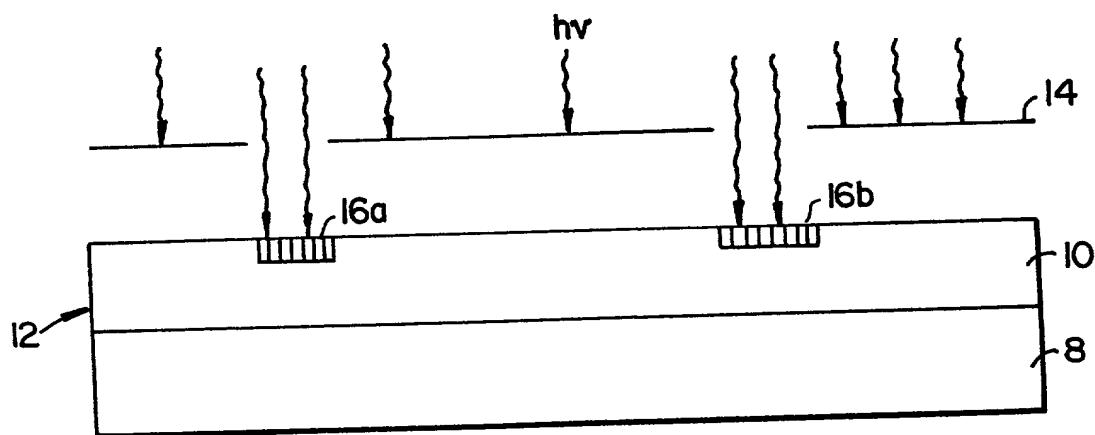


FIG. 2.

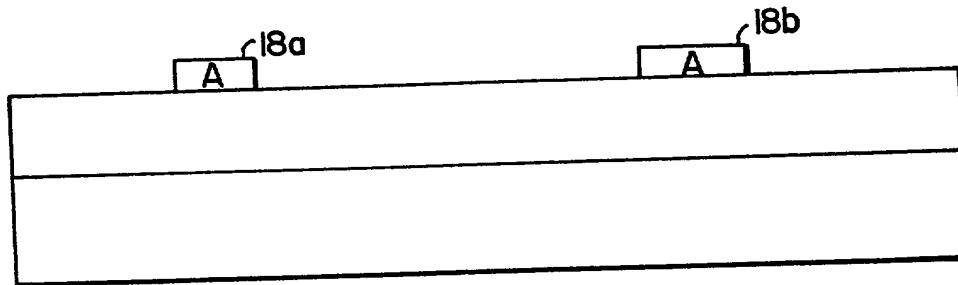


FIG. 3.

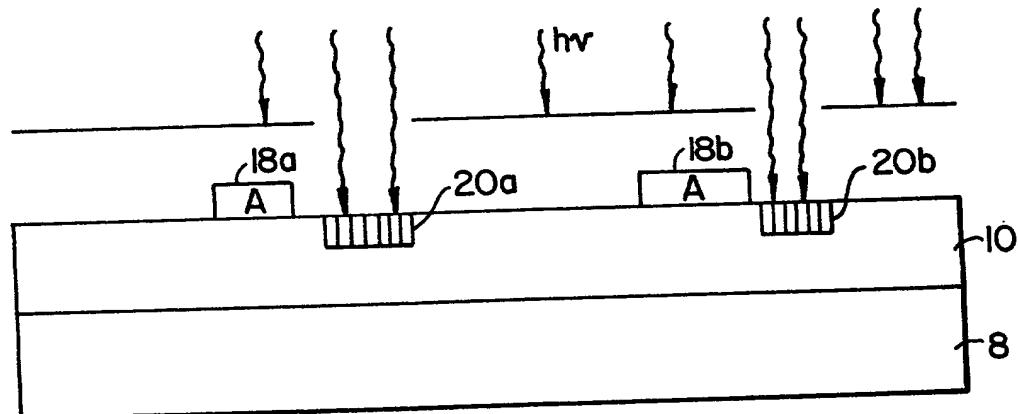


FIG. 4.

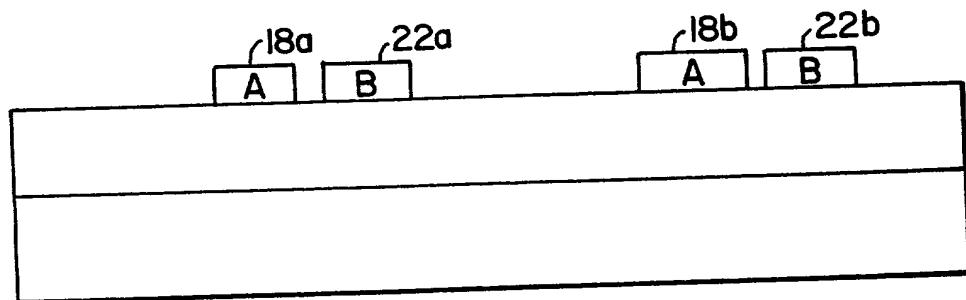


FIG. 5.

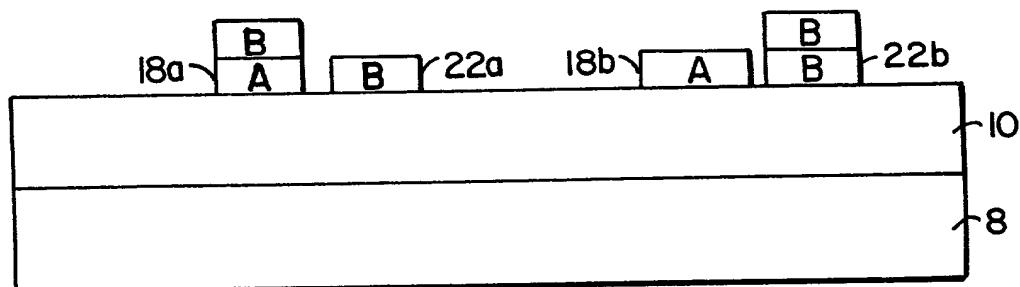


FIG. 6.

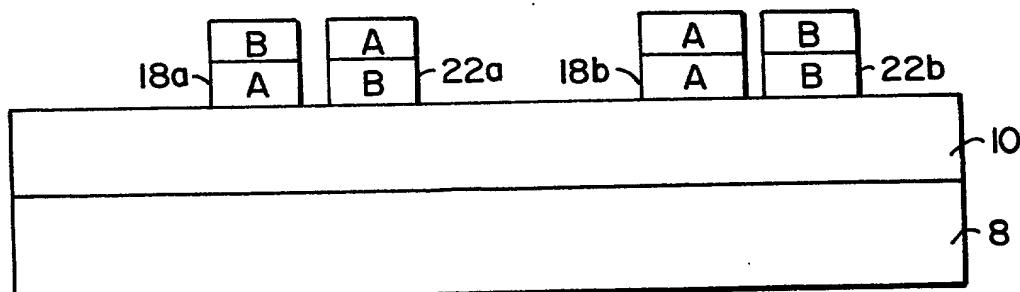


FIG. 7.

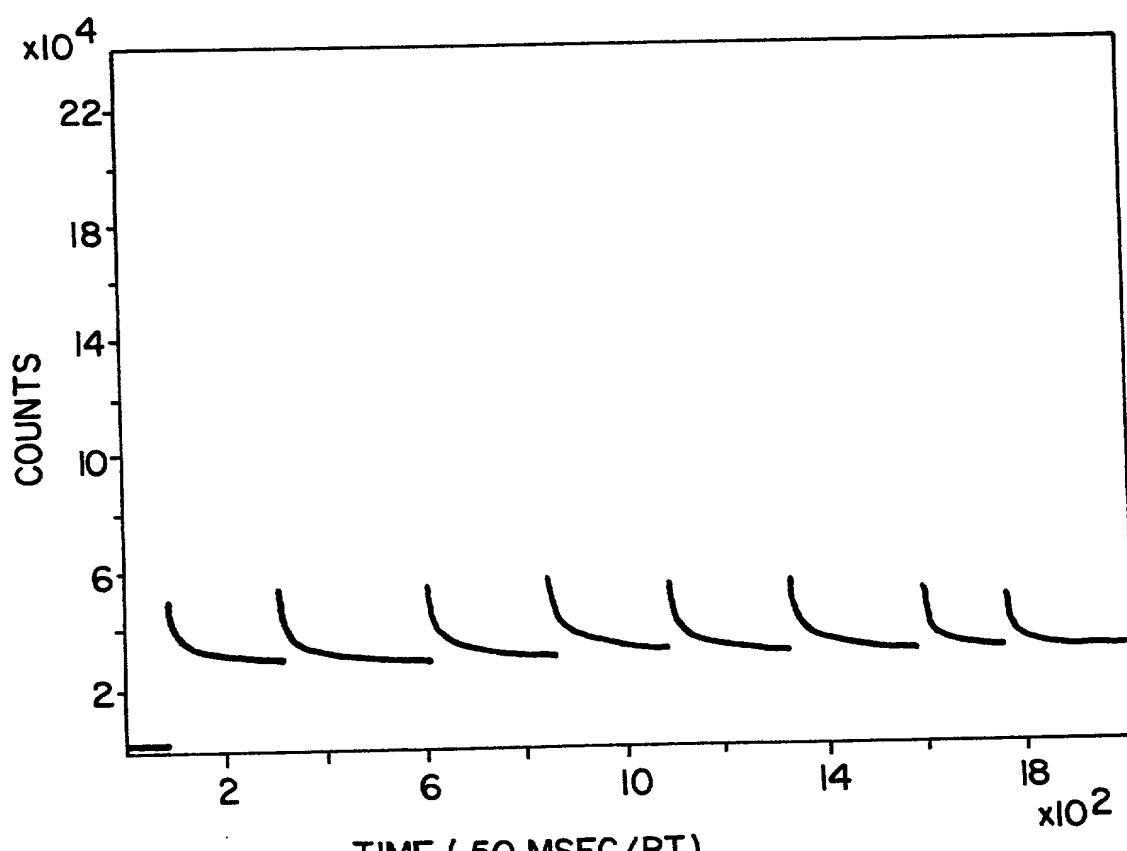


FIG. 8A.

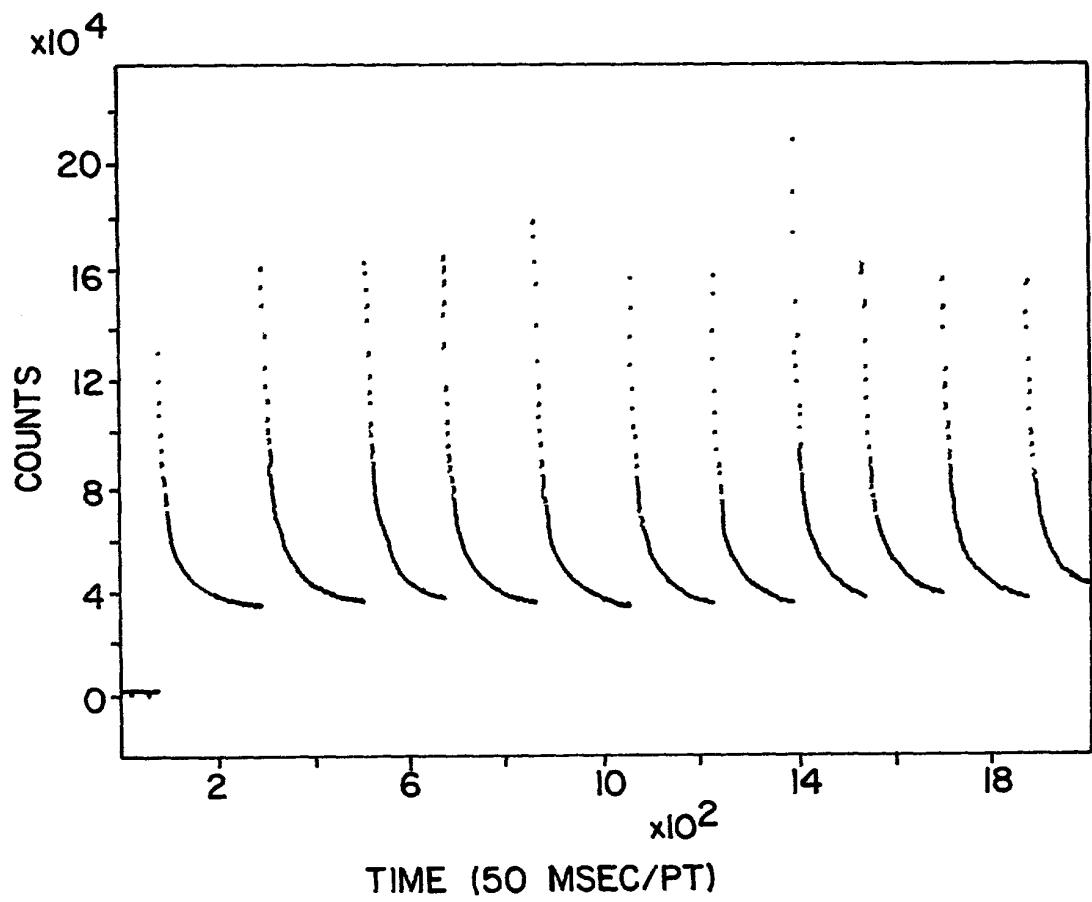
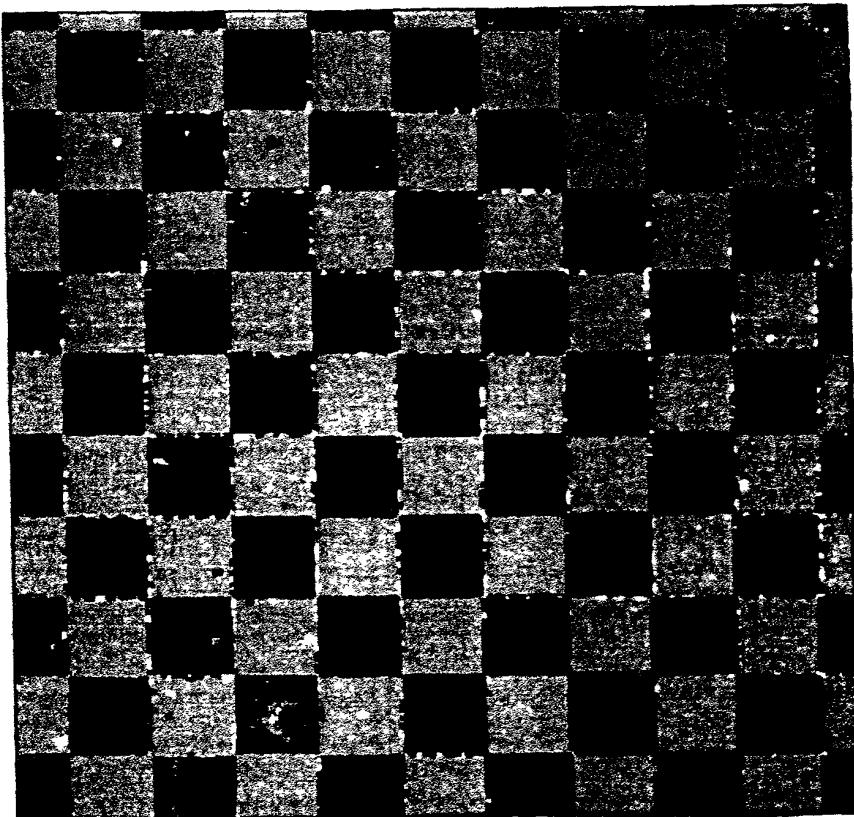


FIG. 8B.



1023027
728188.3
322785.5
300672.6
285930.7
278559.7
271188.8
212221.1
197479.2
182737.3
138511.5

MEAN. 285930.7
VAR 2 173242E+10
 σ 147419.2

FIG. 9A.

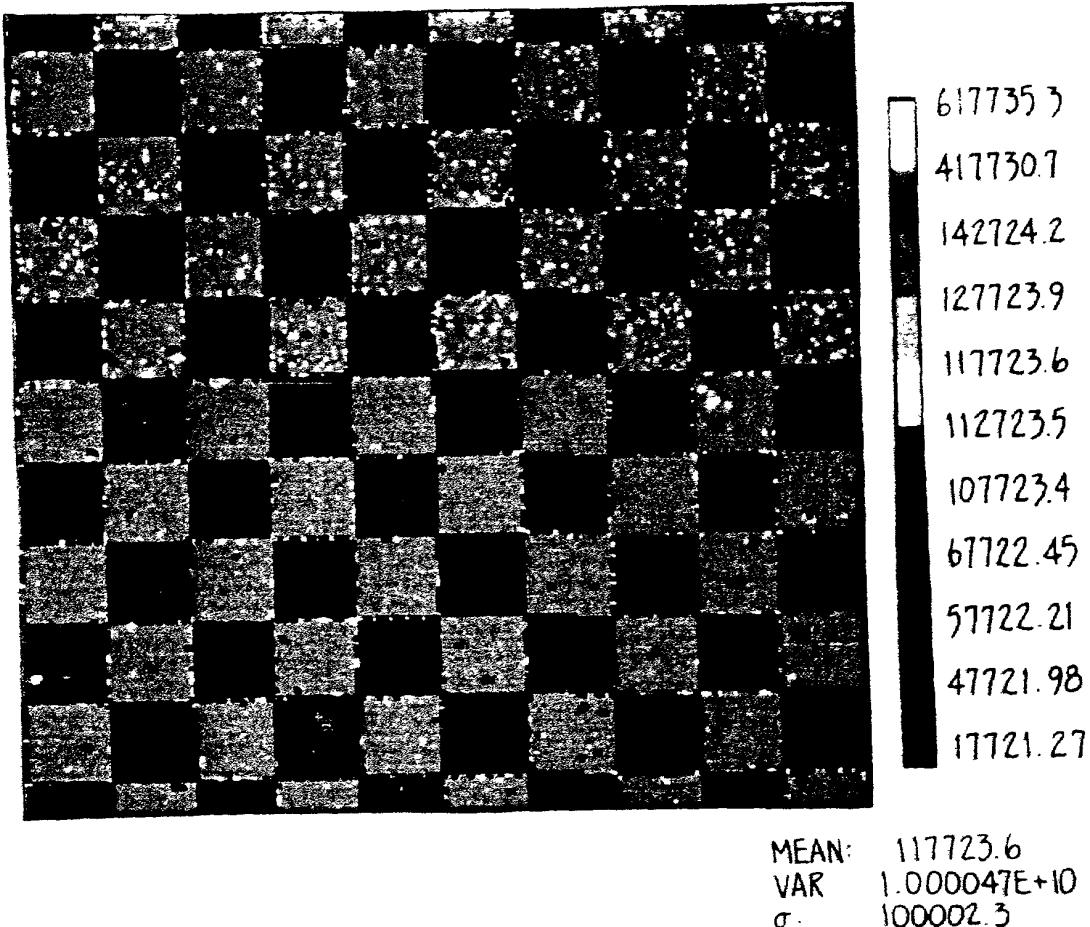
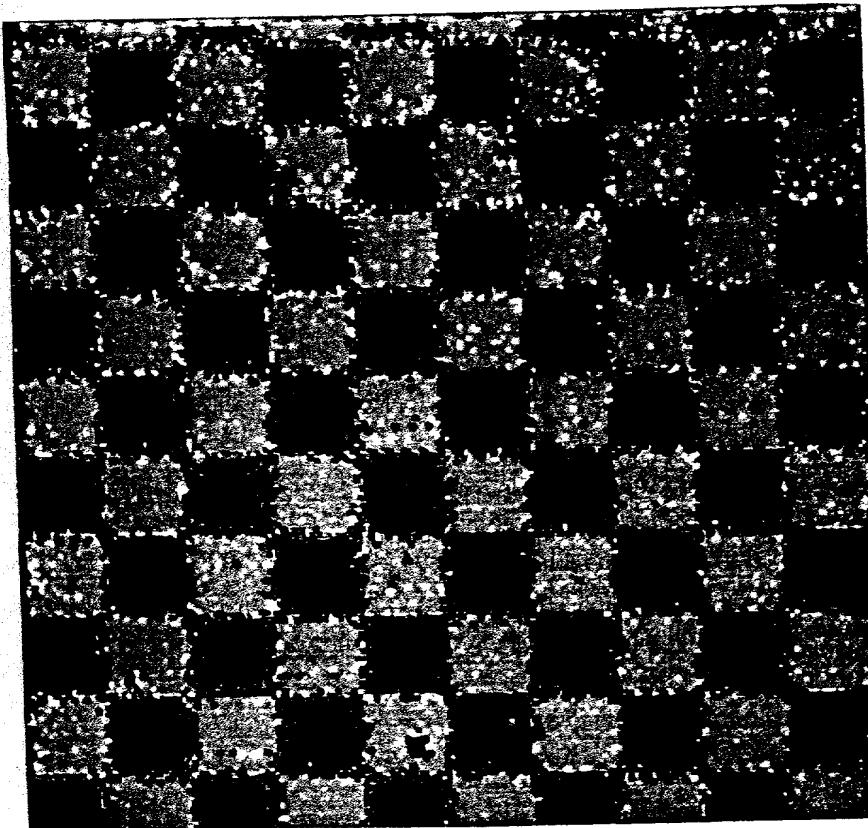


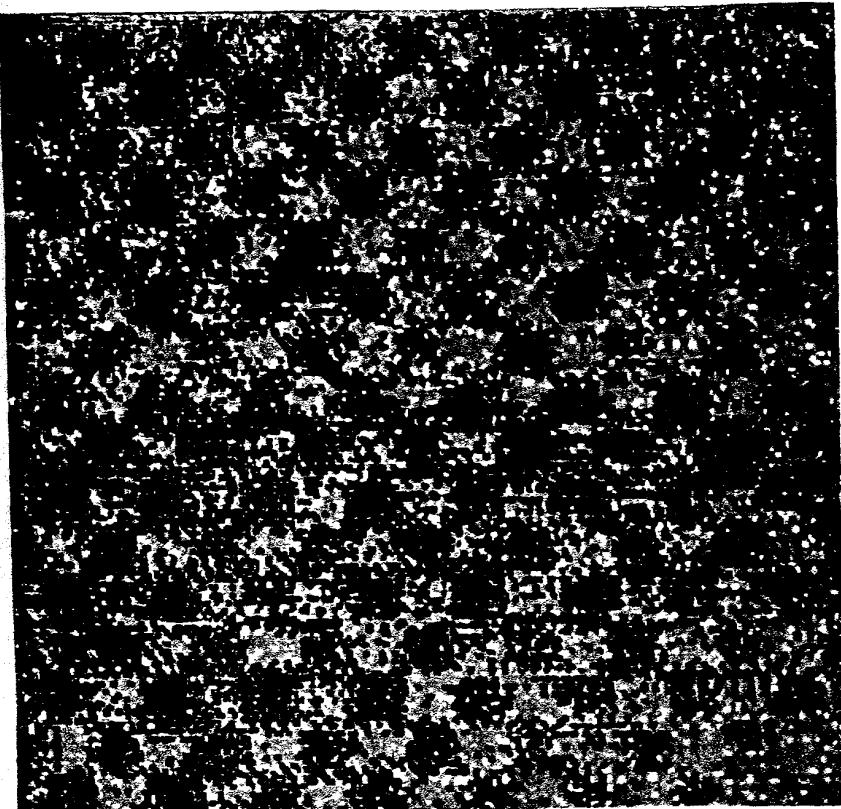
FIG. 9B.



- 552484.3
373317.4
126963
113525.5
104567.2
100000
95608.83
59775.46
50017.12
41858.78
14983.75

MEAN: 104567.2
VAR: 8.025189E+09
 σ : 89583.42

FIG. 9C.



495246
335766.3
116481.9
104520.9
96546.92
92559.93
88572.94
56677.02
48703.04
40729.06
16807.12

MEAN: 96546.92
VAR: 6.358437E+09
 σ 79739.8

FIG. 9D.

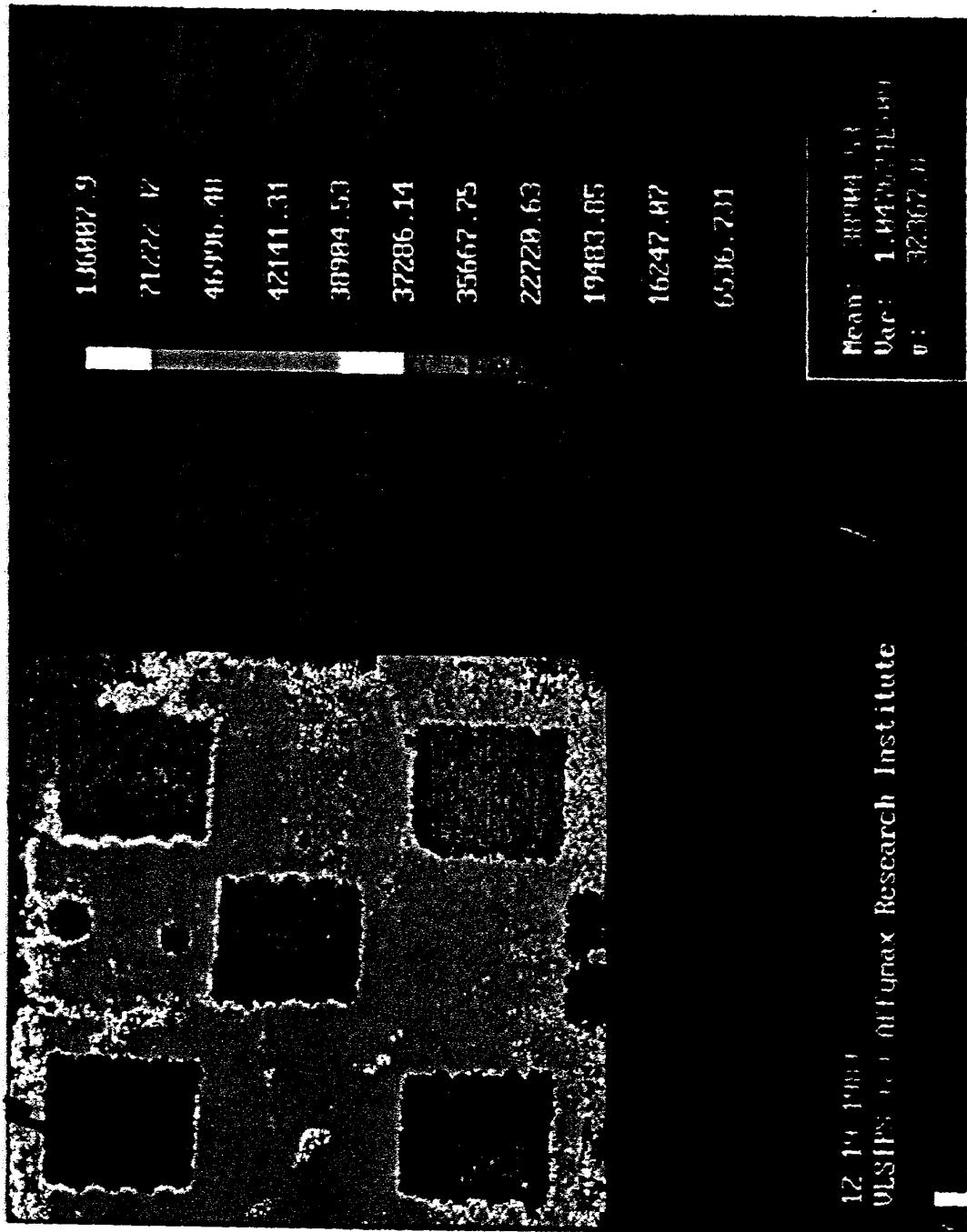


FIG. 10.

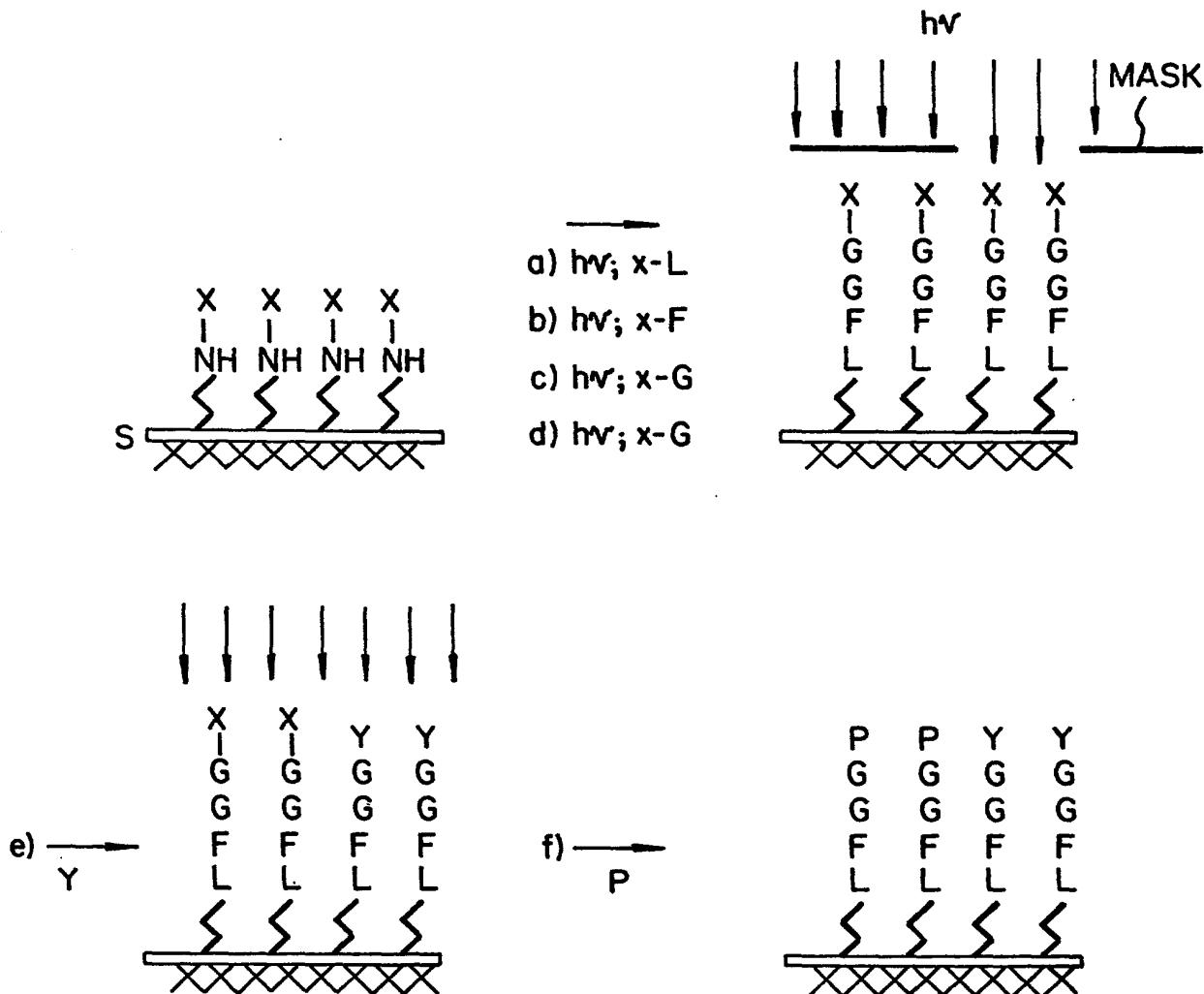
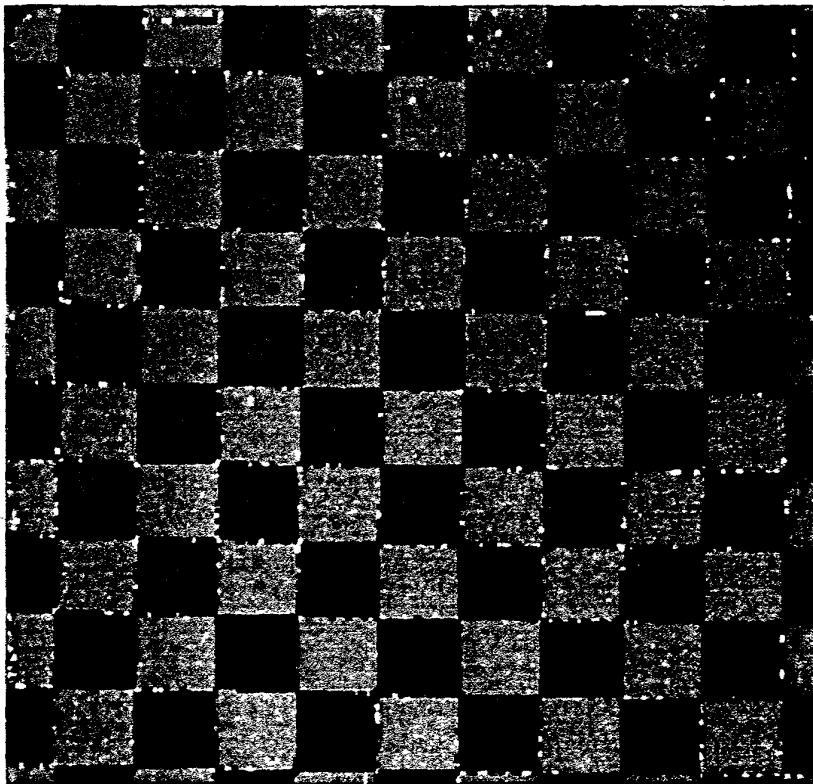


FIG. 11.



636588
428583.8
142577.9
126977.5
116577.3
111377.2
106177.1
6457625
54176.03
43775.82
1257518

MEAN: 116577.3
VAR: 1.081645E+10
 σ : 104002.1

FIG. 12.

20034746-124404

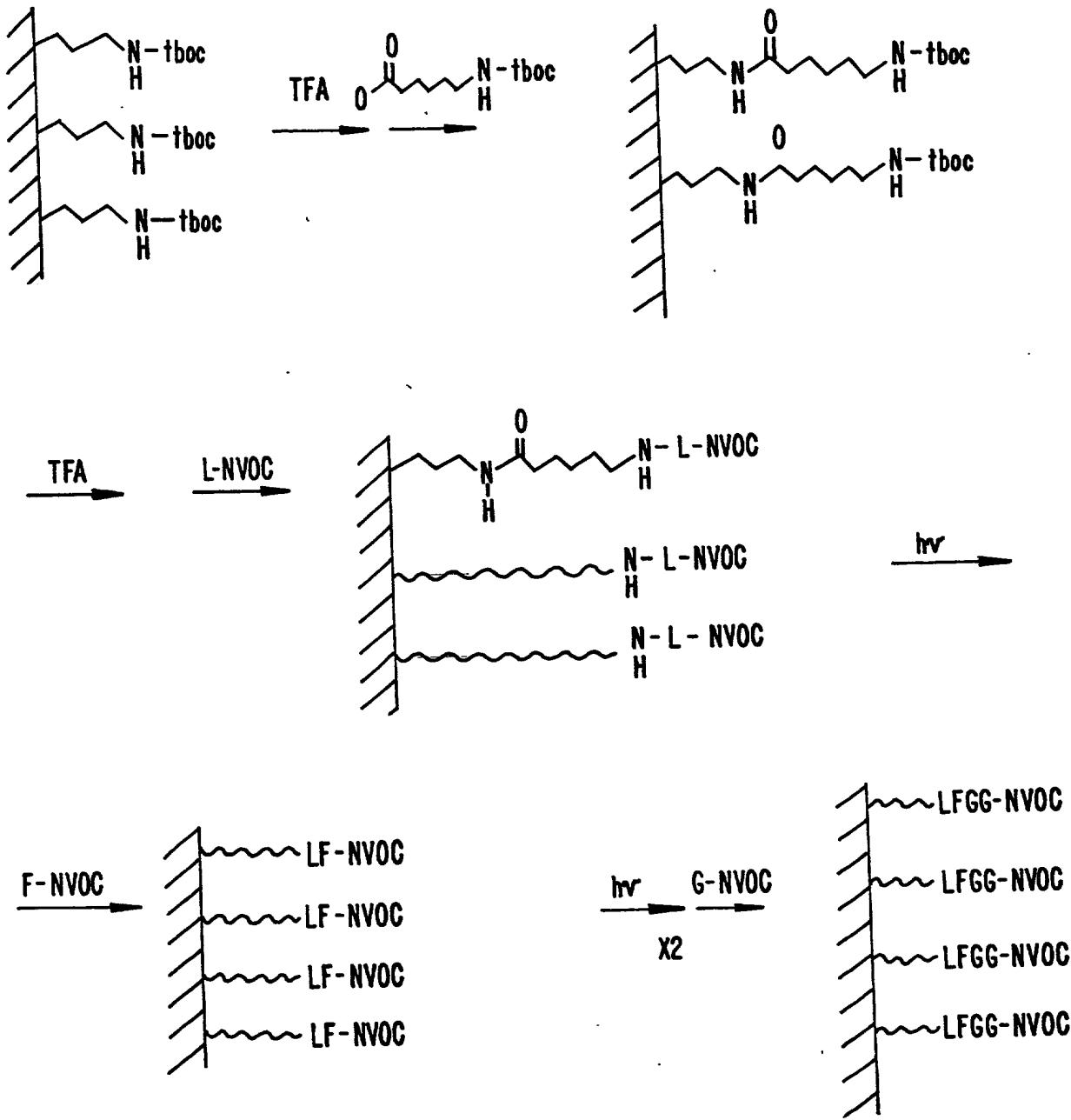


FIG. 13A.

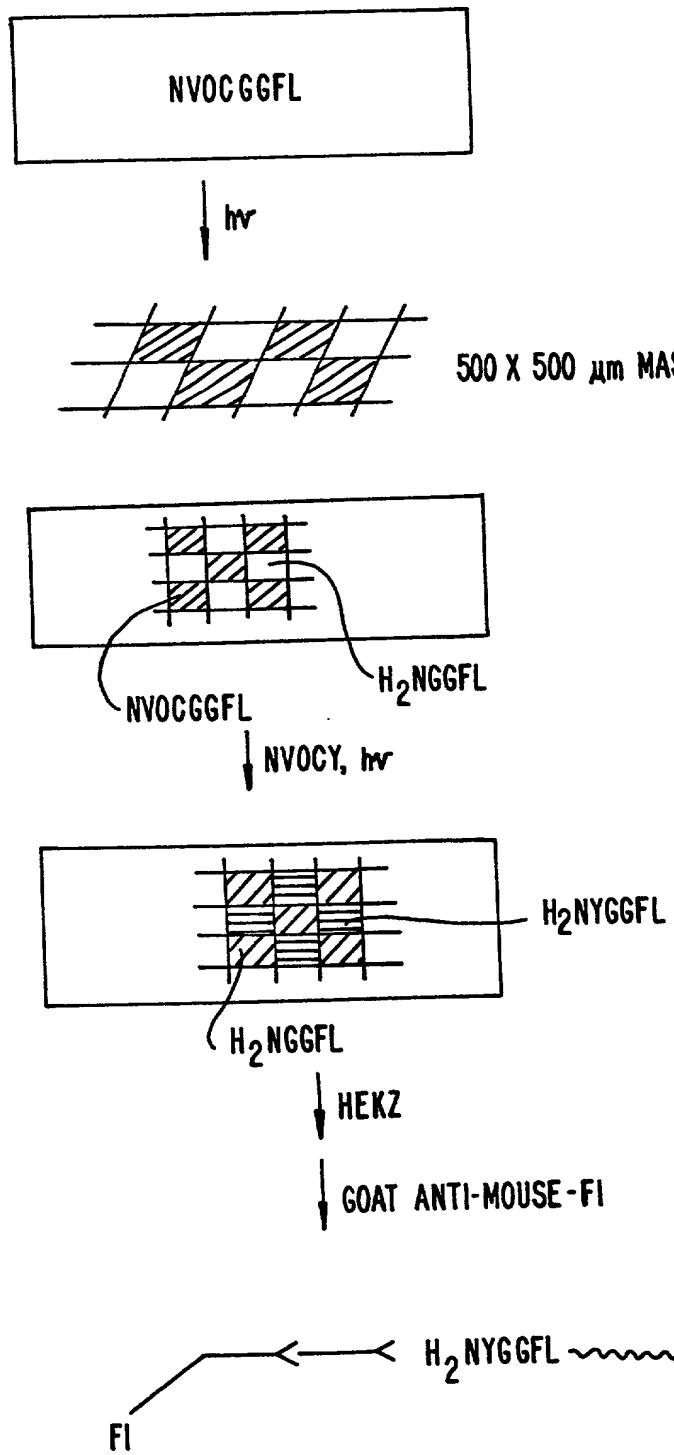
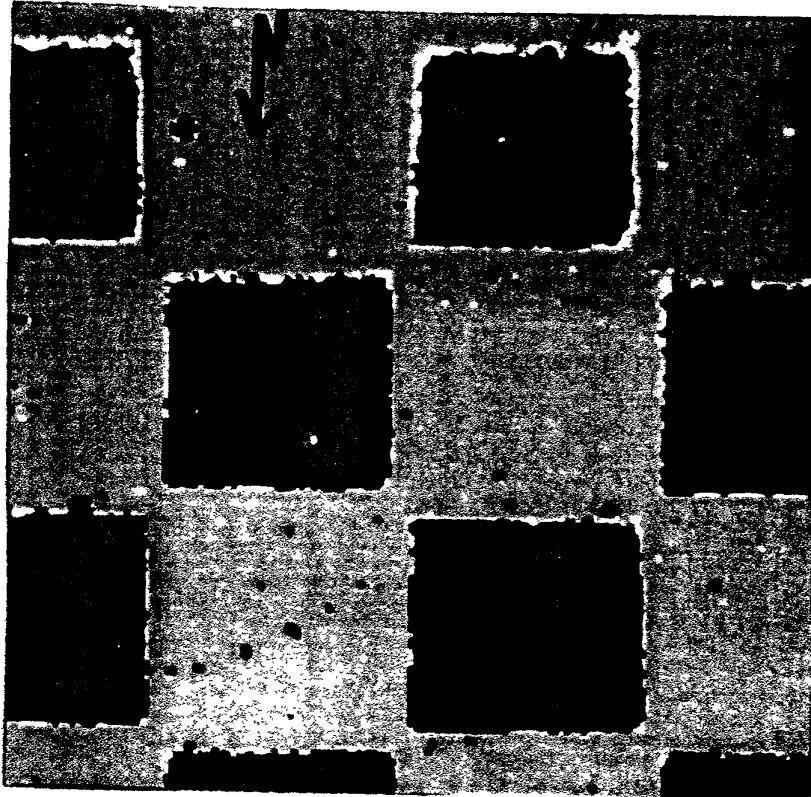


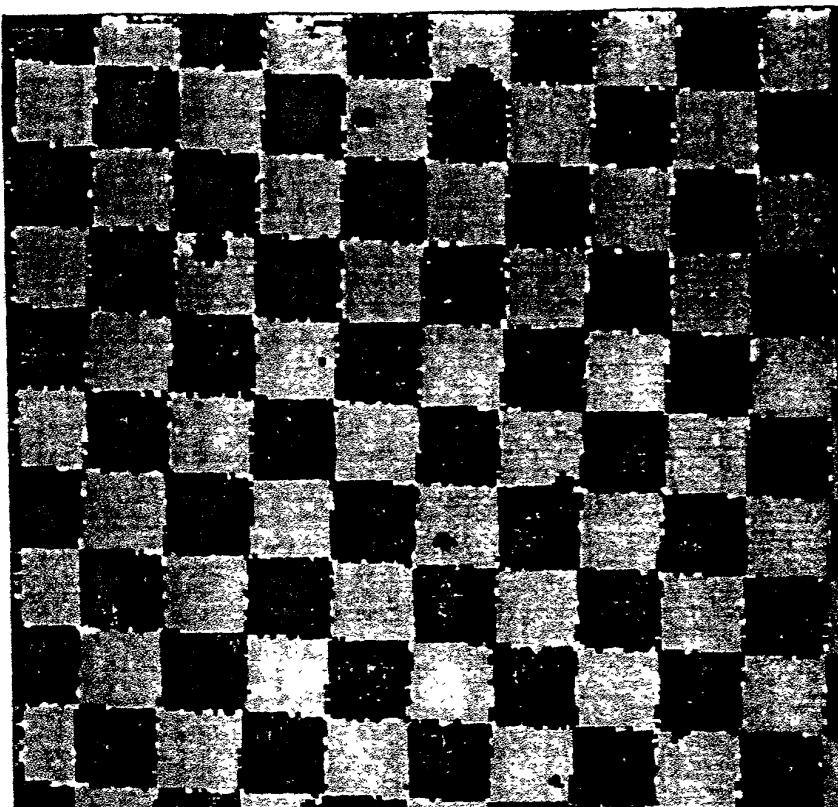
FIG. 13B.



50780.26
34141.69
30813.97
28595.5
27486.26
26377.02
17503.12
11956.92
6410.734
-15774.03
37958.79

MEAN: 28595.5
VAR: 4.921637E+08
 σ : 22184.76

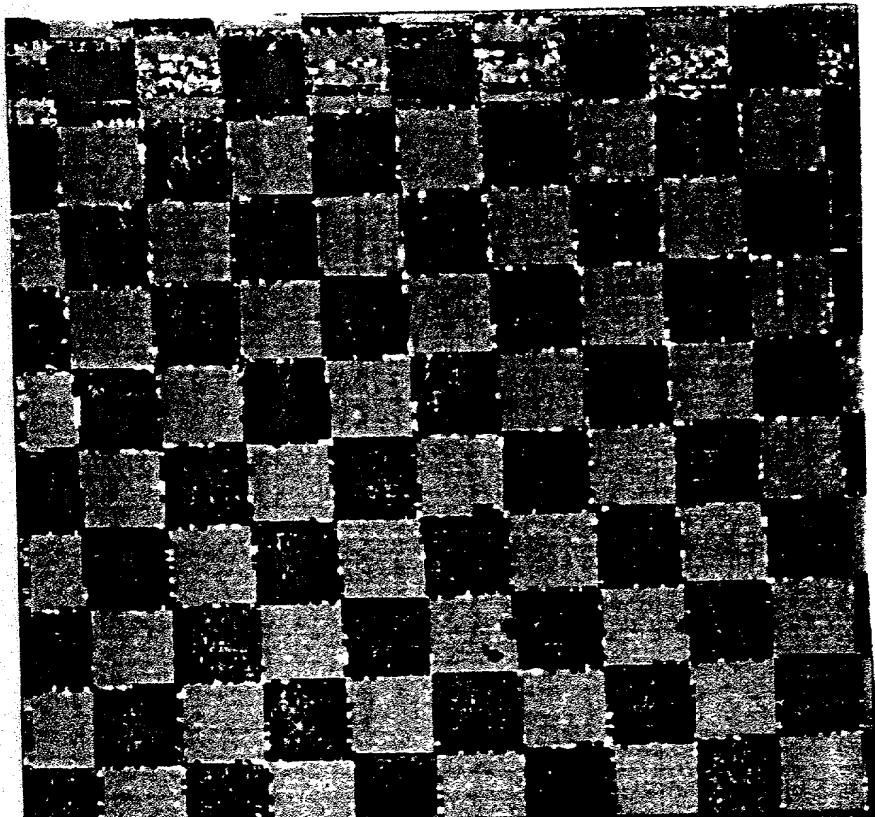
FIG. 13C.



879976.1
600504.3
216230.6
195270.2
181296.6
174309.8
167323
111428.7
97455.07
83481.48
41560.72

MEAN: 181296.6
VAR: 1952612E+10
 σ 139735.9

FIG. 13D.



667348.3
453053
158397
142324.9
131610.1
126252.7
120895.3
78036.29
67321.52
56606.77
24462.47

MEAN: 131610.1
VAR: 1.148062E+10
 σ 107147.6

FIG._14.

P	A	S	G	
<u>LPGFL</u>	<u>LAGFL</u>	<u>LSGFL</u>	<u>LGGFL</u>	L
<u>FPGFL</u>	<u>FAGFL</u>	<u>FSGFL</u>	<u>FGGFL</u>	F
<u>WPGFL</u>	<u>WAGFL</u>	<u>WSGFL</u>	<u>WGGFL</u>	W
<u>YPGFL</u>	<u>YAGFL</u>	<u>YSGFL</u>	<u>YGGFL</u>	Y

FIG. 15A.

P	A	S	G	
<u>YpGFL</u>	<u>YaGFL</u>	<u>YsGFL</u>	<u>YGGFL</u>	Y
<u>fpGFL</u>	<u>faGFL</u>	<u>fsGFL</u>	<u>fGGFL</u>	f
<u>wpGFL</u>	<u>waGFL</u>	<u>wsGFL</u>	<u>wGGFL</u>	w
<u>ypGFL</u>	<u>yaGFL</u>	<u>ysGFL</u>	<u>yGGFL</u>	y

FIG. 15B.

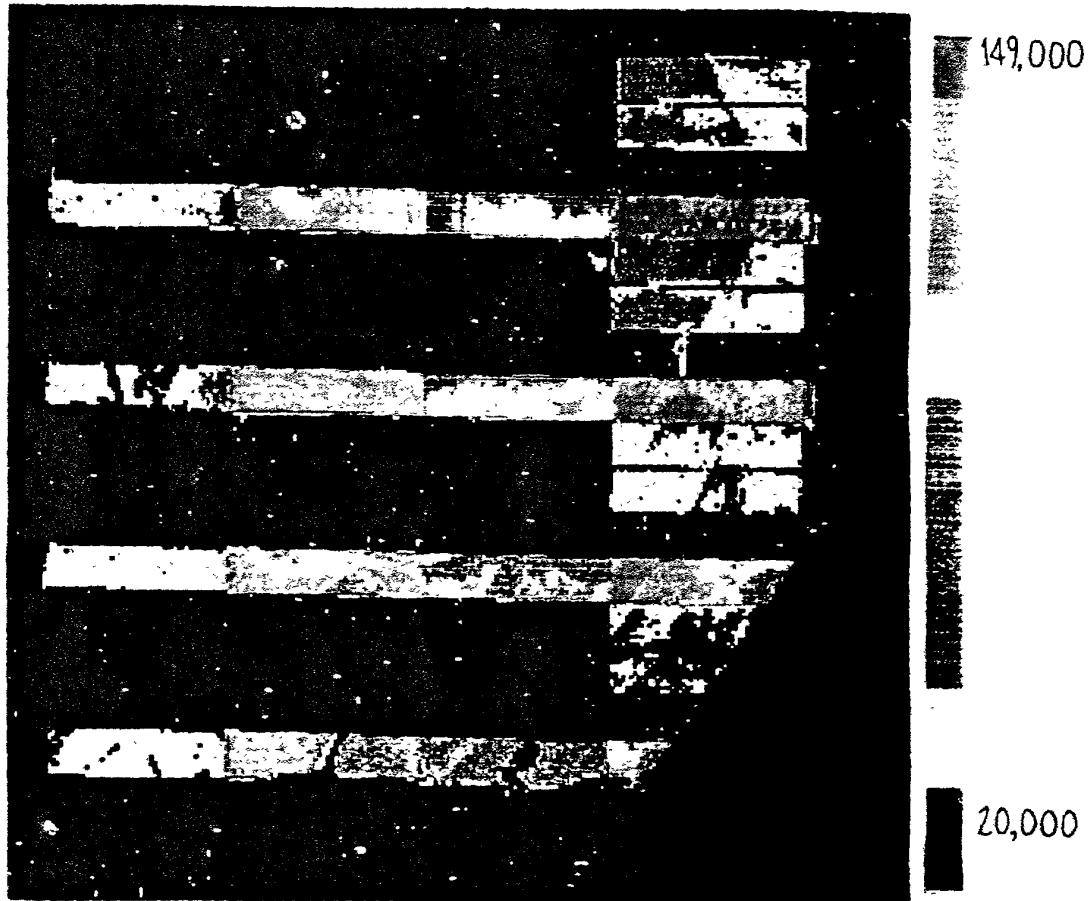


FIG. 16.

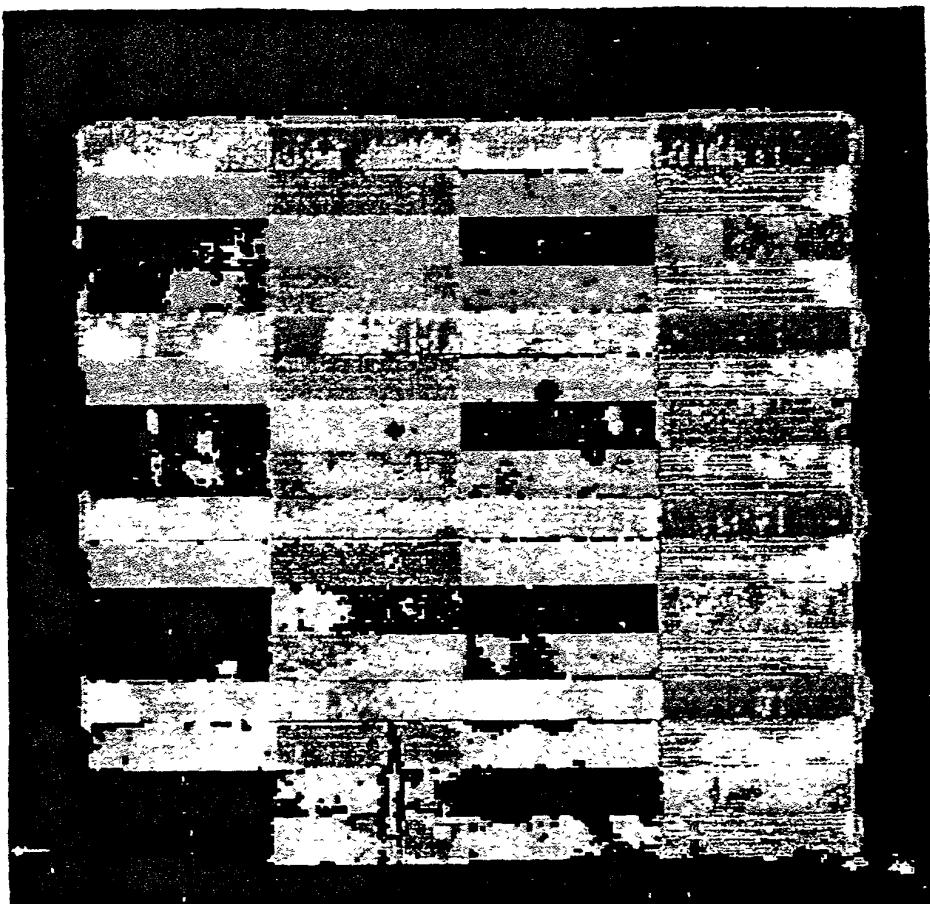


FIG. 17.

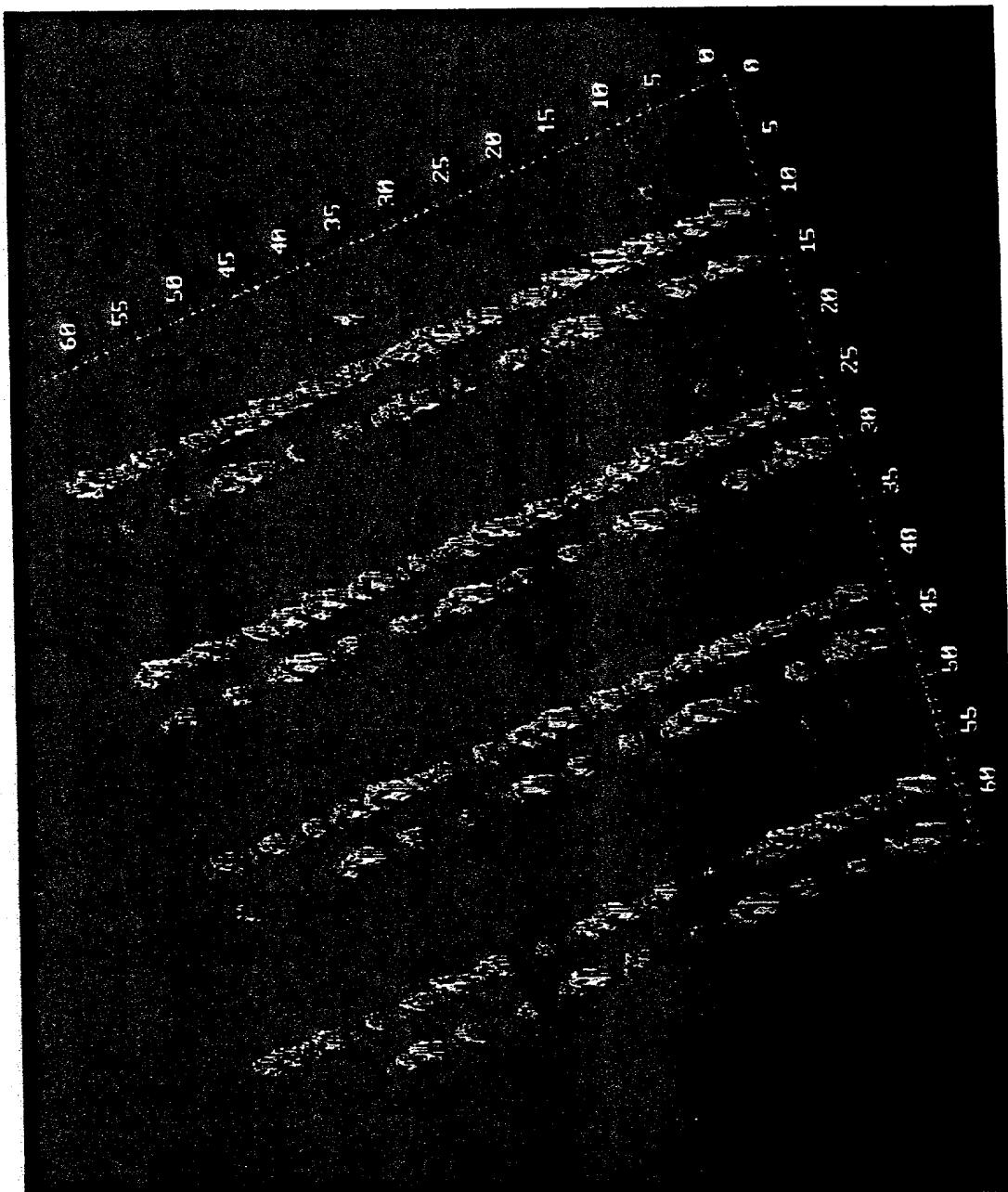


FIG. 18.

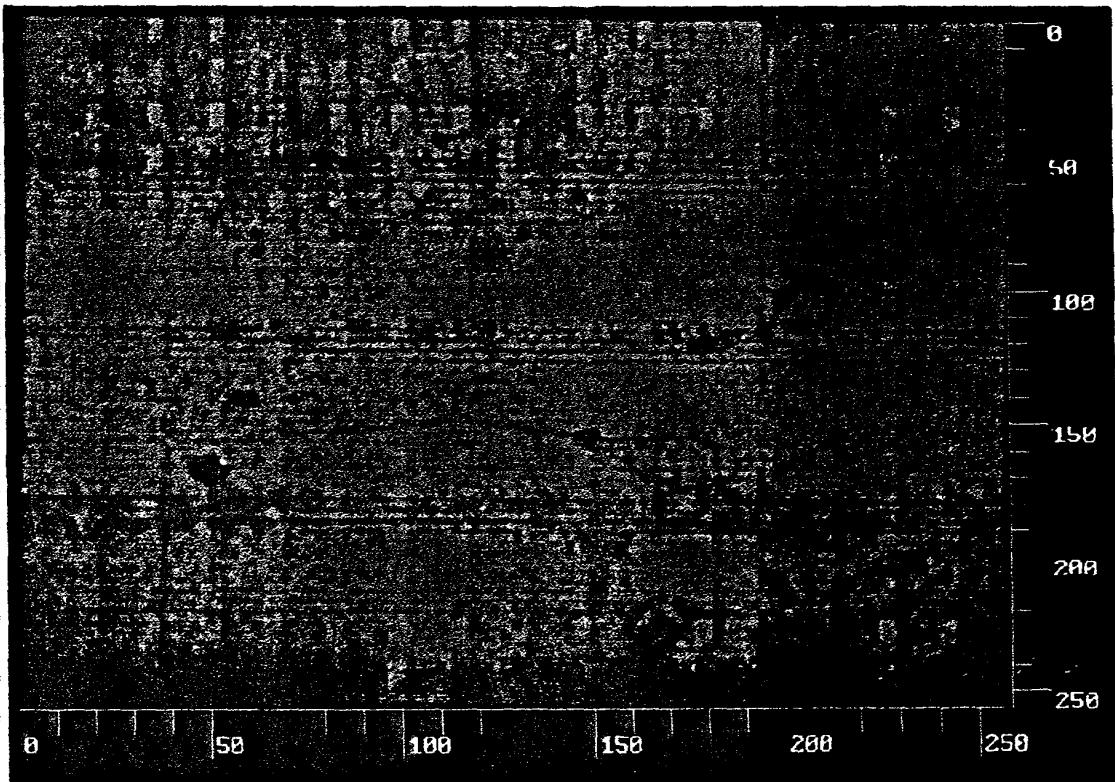


FIG. 19.

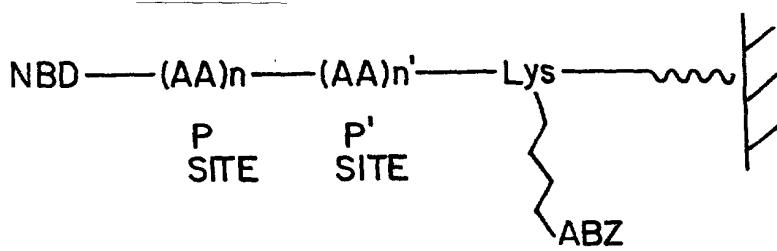


FIG. 20A.

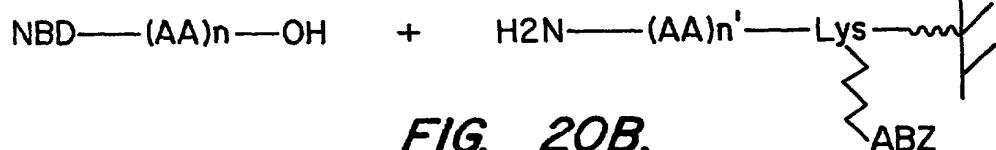


FIG. 20B.

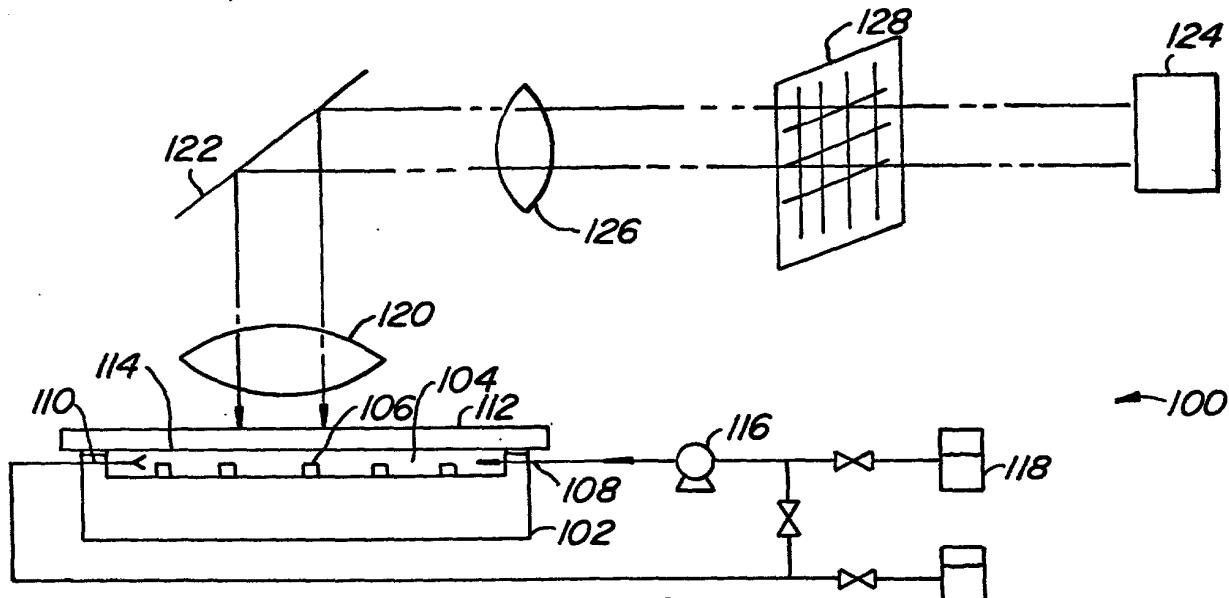


FIG. 22A.

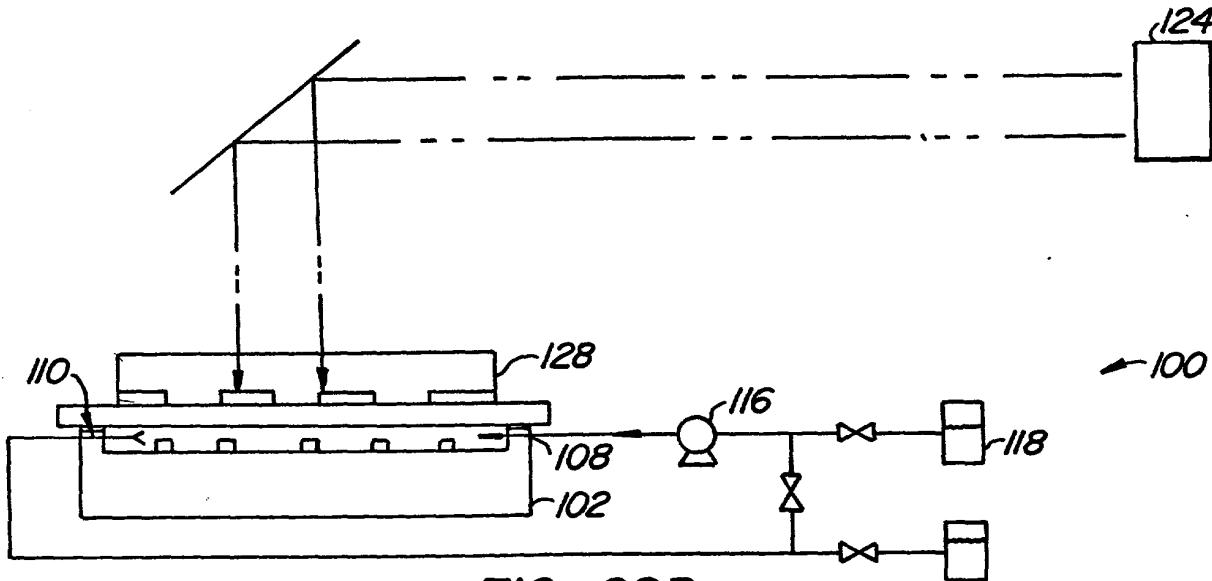


FIG. 22B.

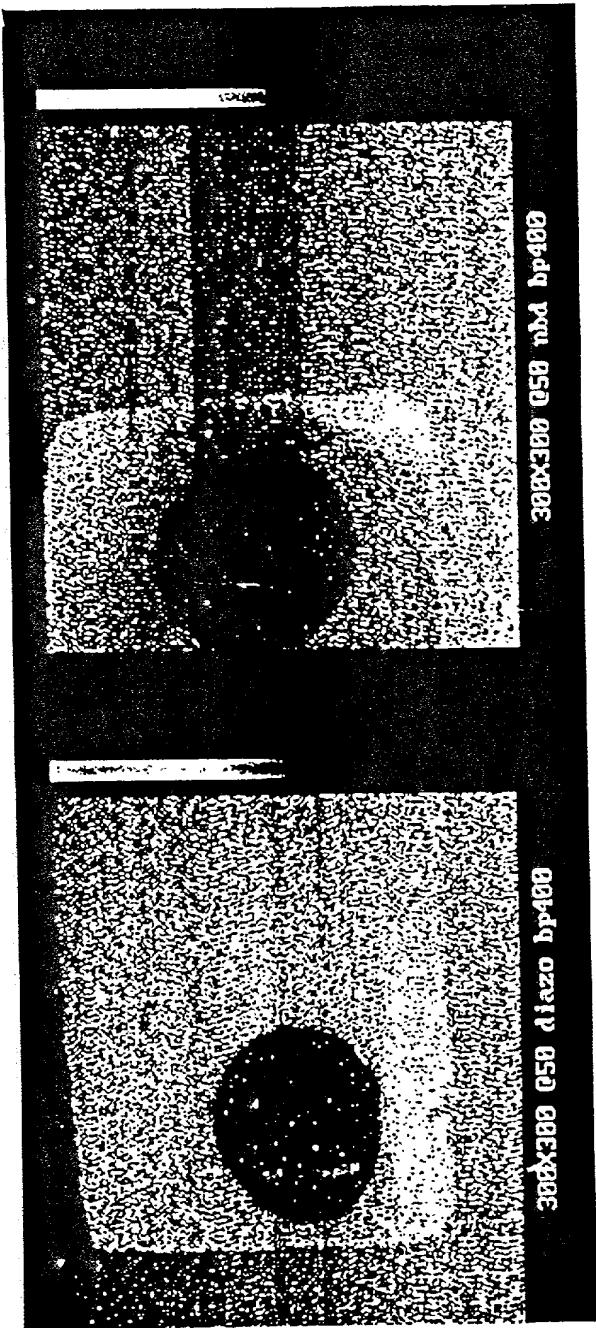


FIG. 21B.

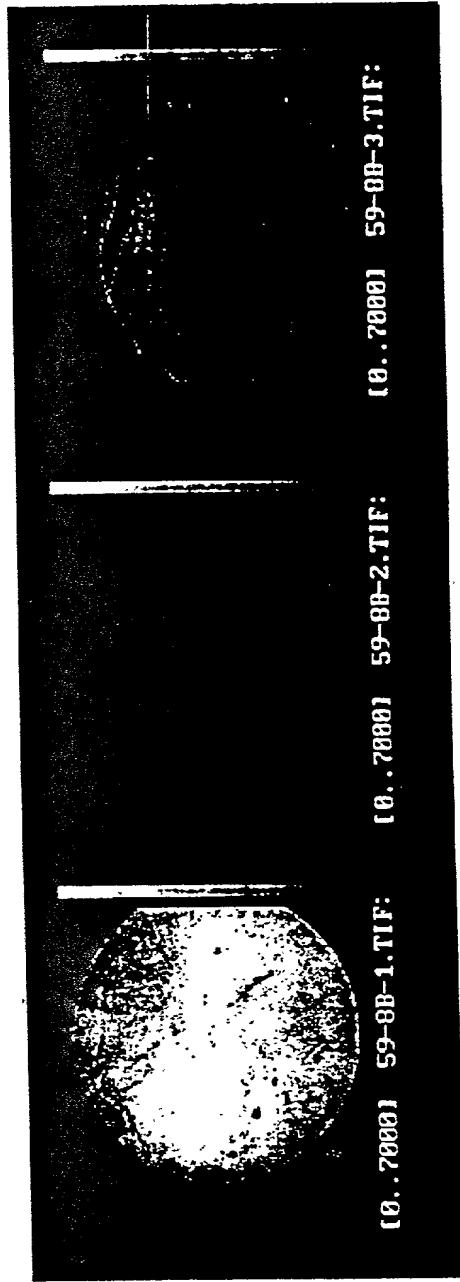


FIG. 39C.

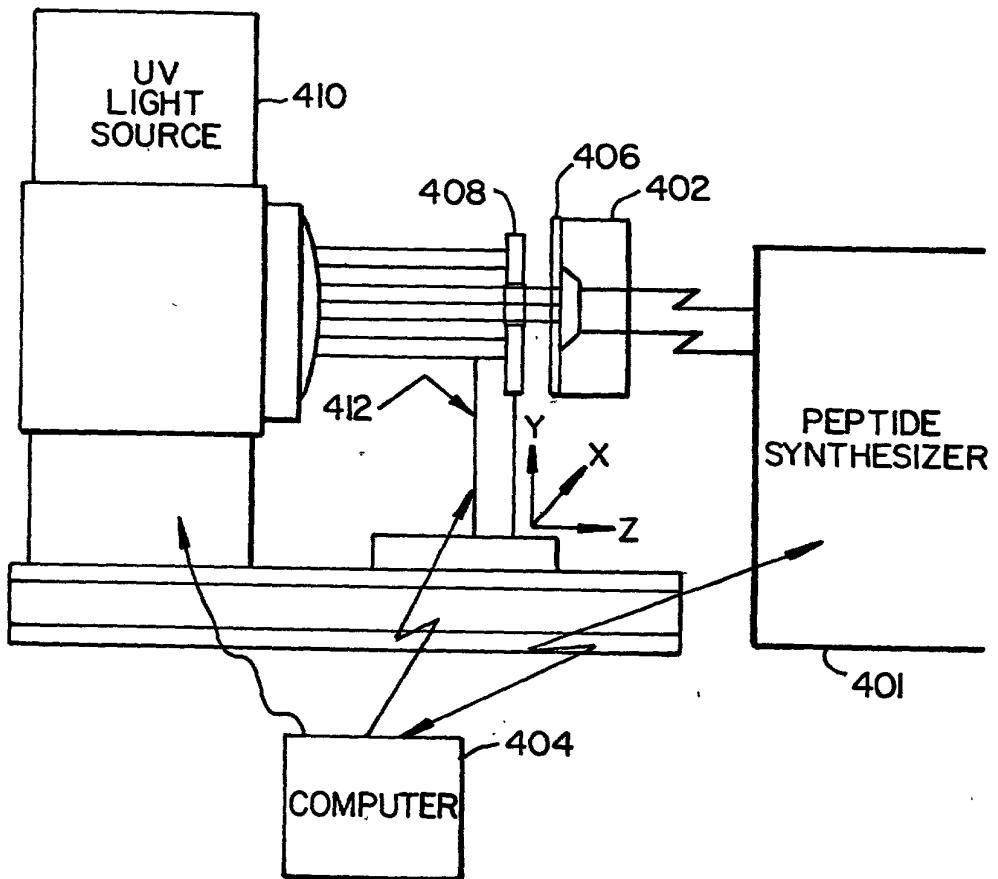


FIG. 23.

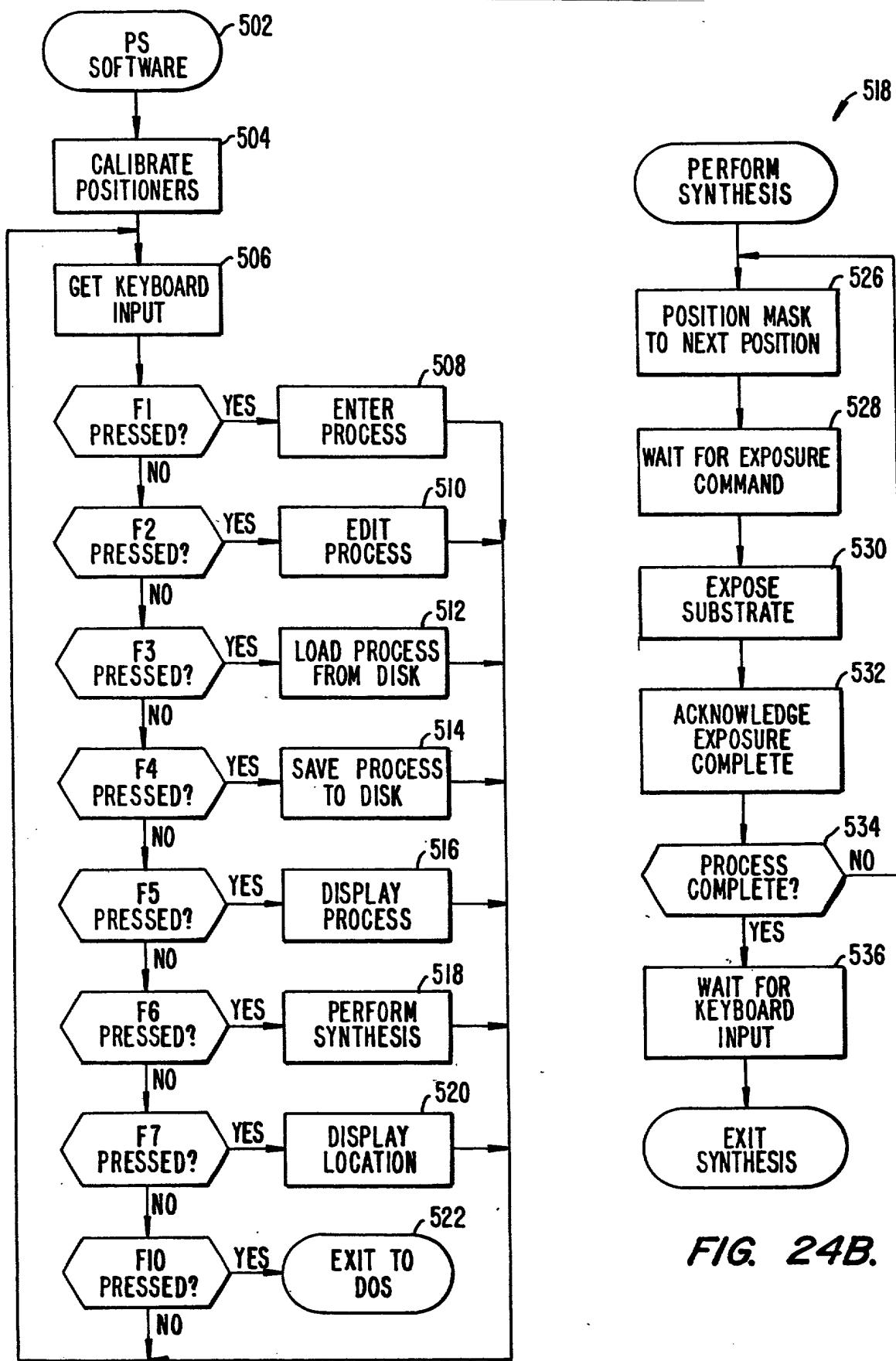
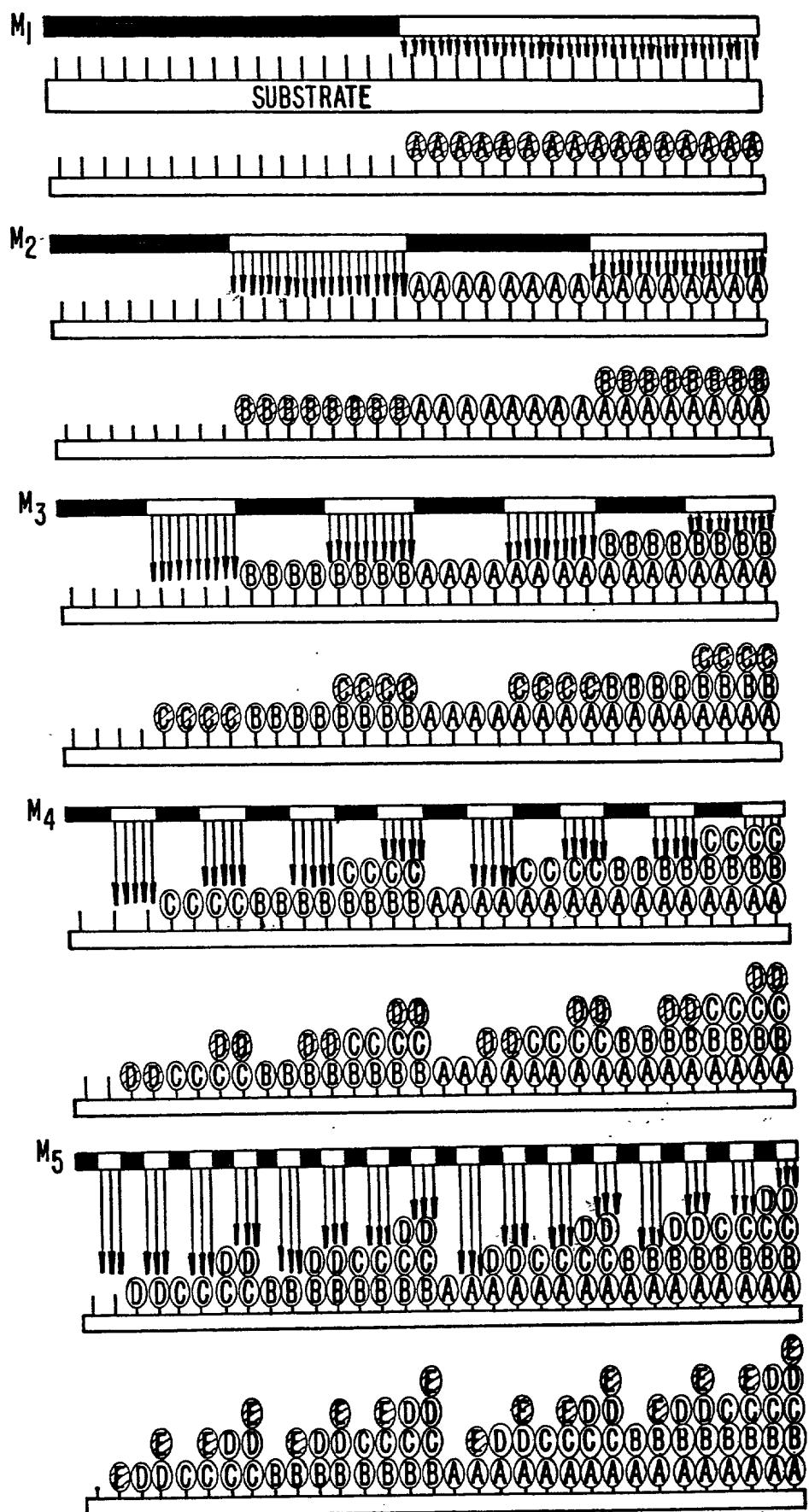


FIG. 24A.

FIG. 24B.

FIG. 25.



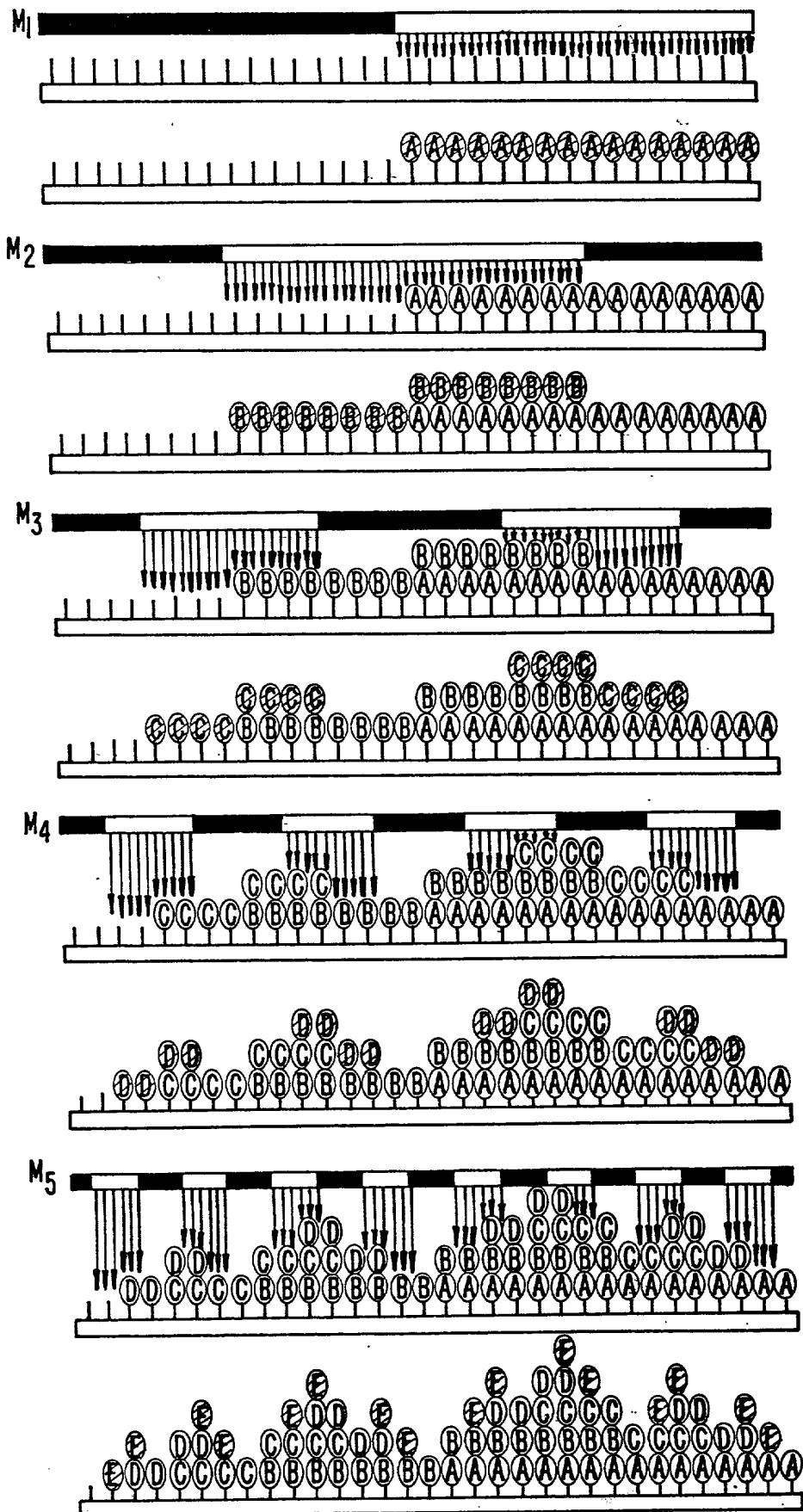
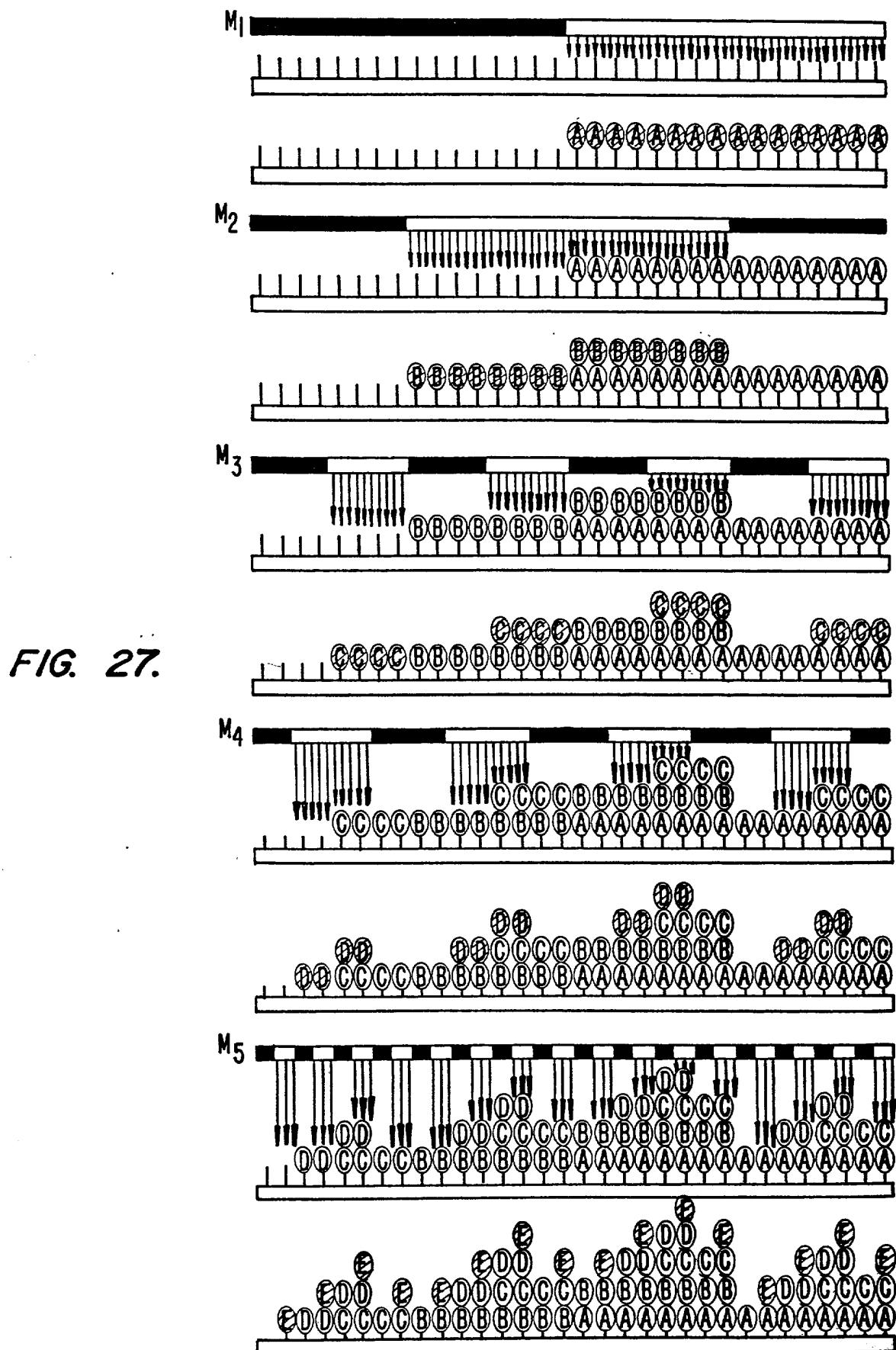


FIG. 26.



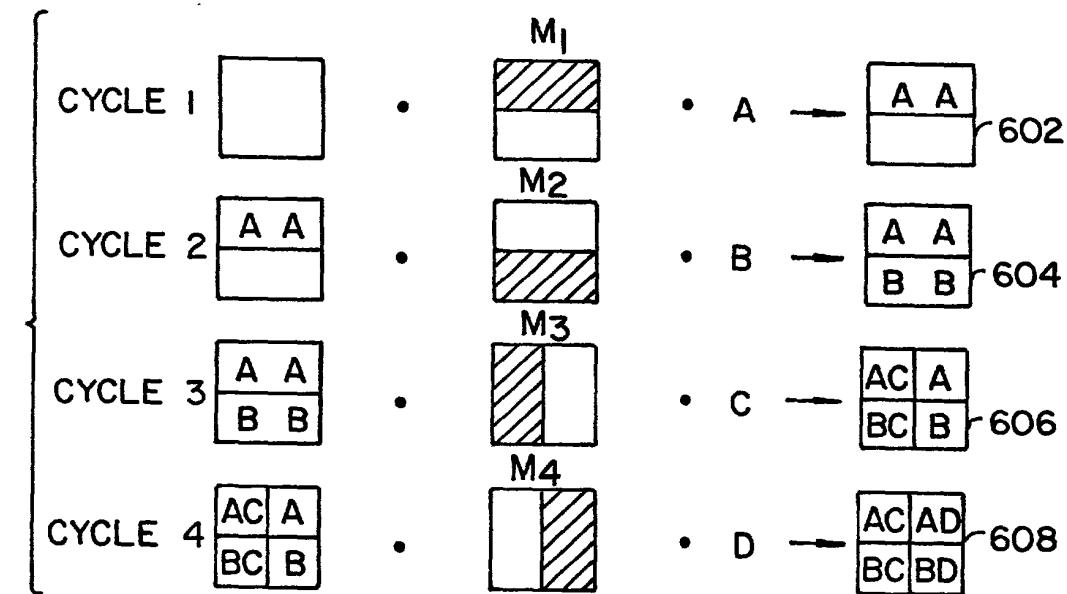


FIG. 28A.

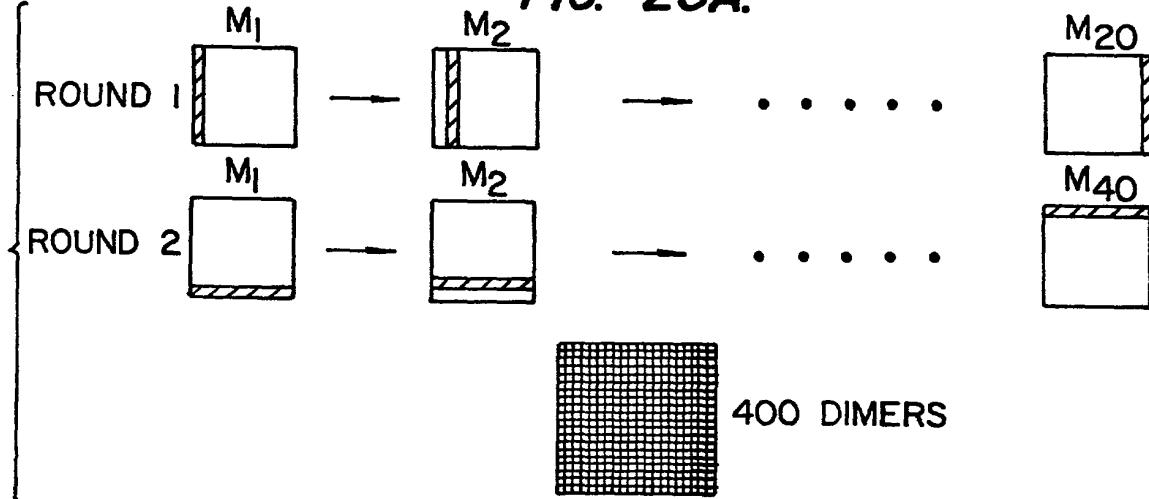


FIG. 28B.

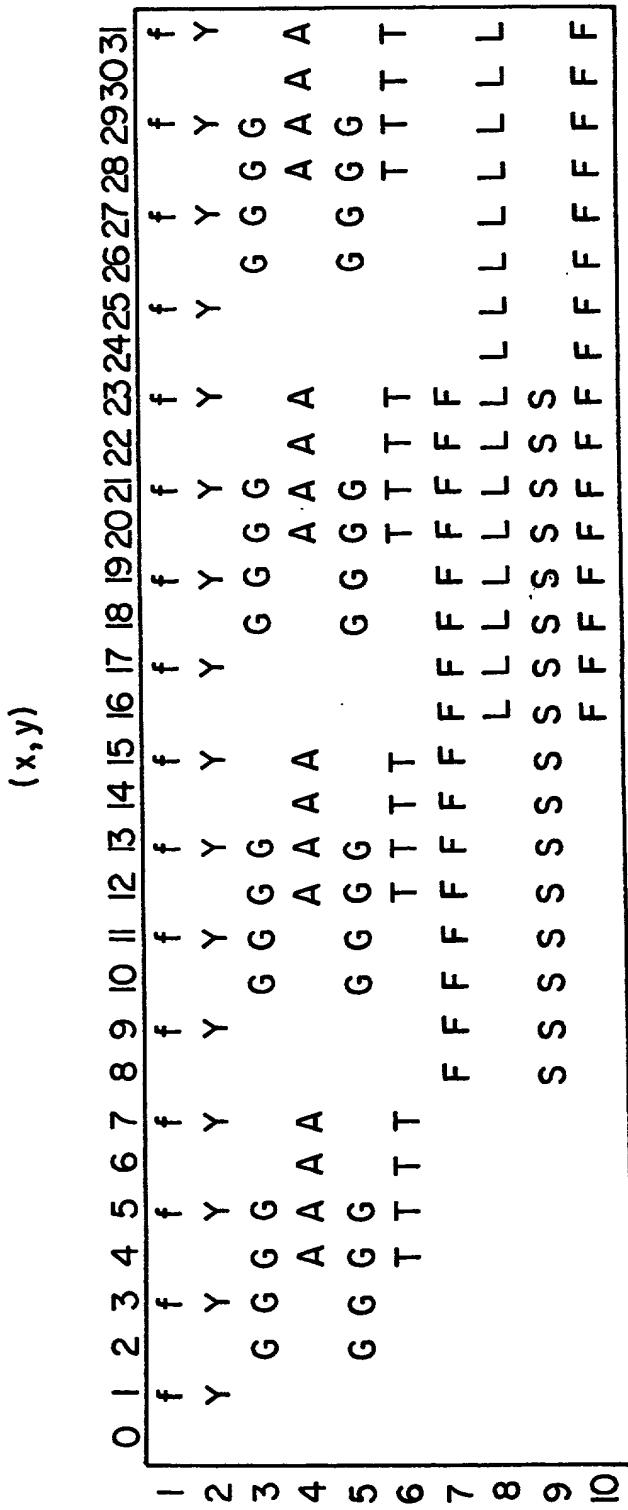


FIG. 29.

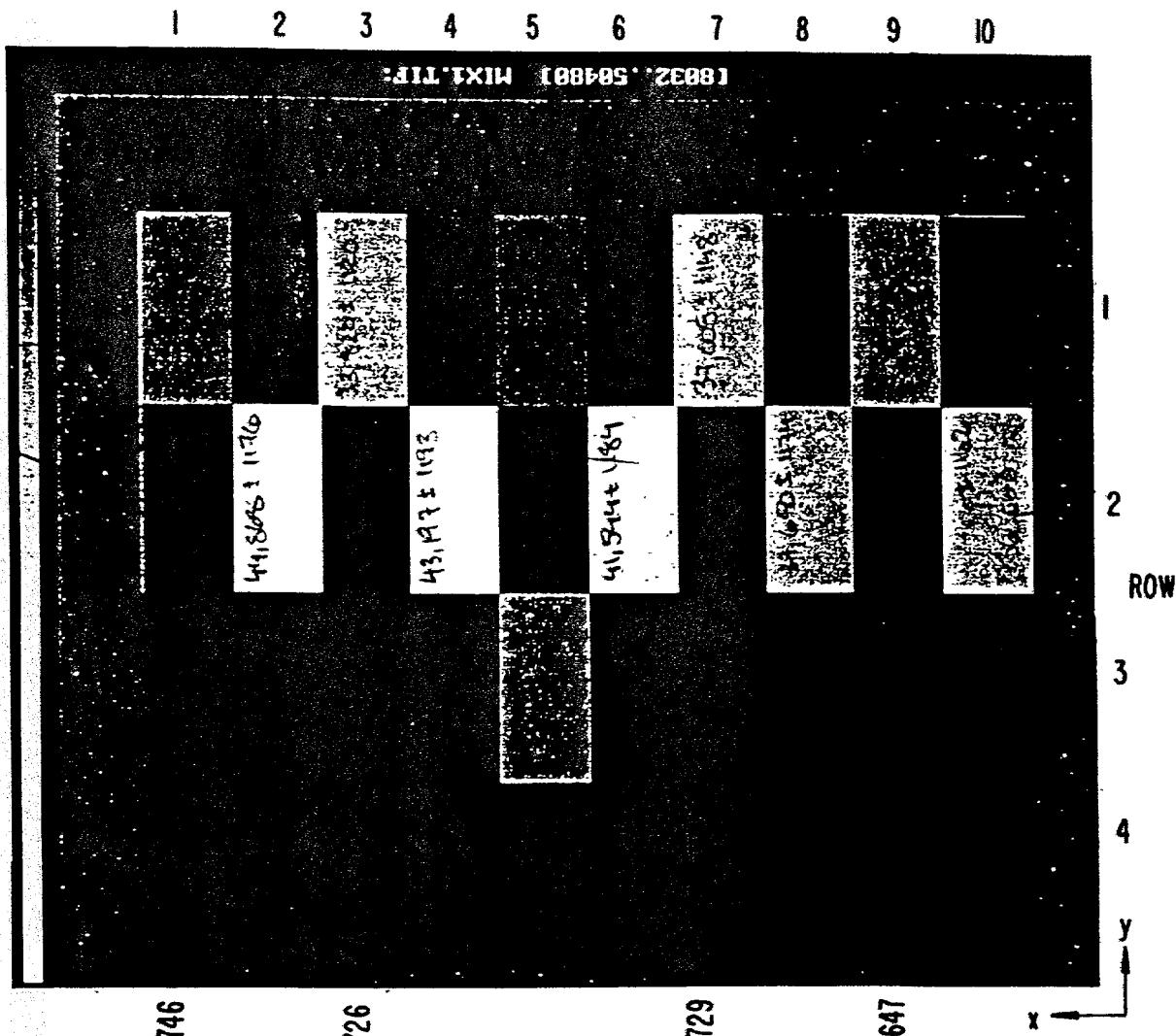


FIG. 30.

STEP	AREA PHOTOLYZED	MASK	COUPLE
1	100%		T
2	100%	"	V
3	100%	"	V
4	100%	"	K
5	50%		F
6 TO 25	Y20		G, A, R, K, C, M, S D, E, N, Q, F, H W, Y, L, P, V, I, T
26	50%		Q
27	100%		R

WILL GENERATE AN ARRAY OF 4 CLASSES OF PEPTIDES:

(1) RXKVVT
 (2) RQXKVVT
 (3) RQXFKVVT
 (4) RXFKVVT

WHERE X REPRESENTS SUBSTITUTION OF ALL 20 L-AMINO ACIDS

FIG. 31.

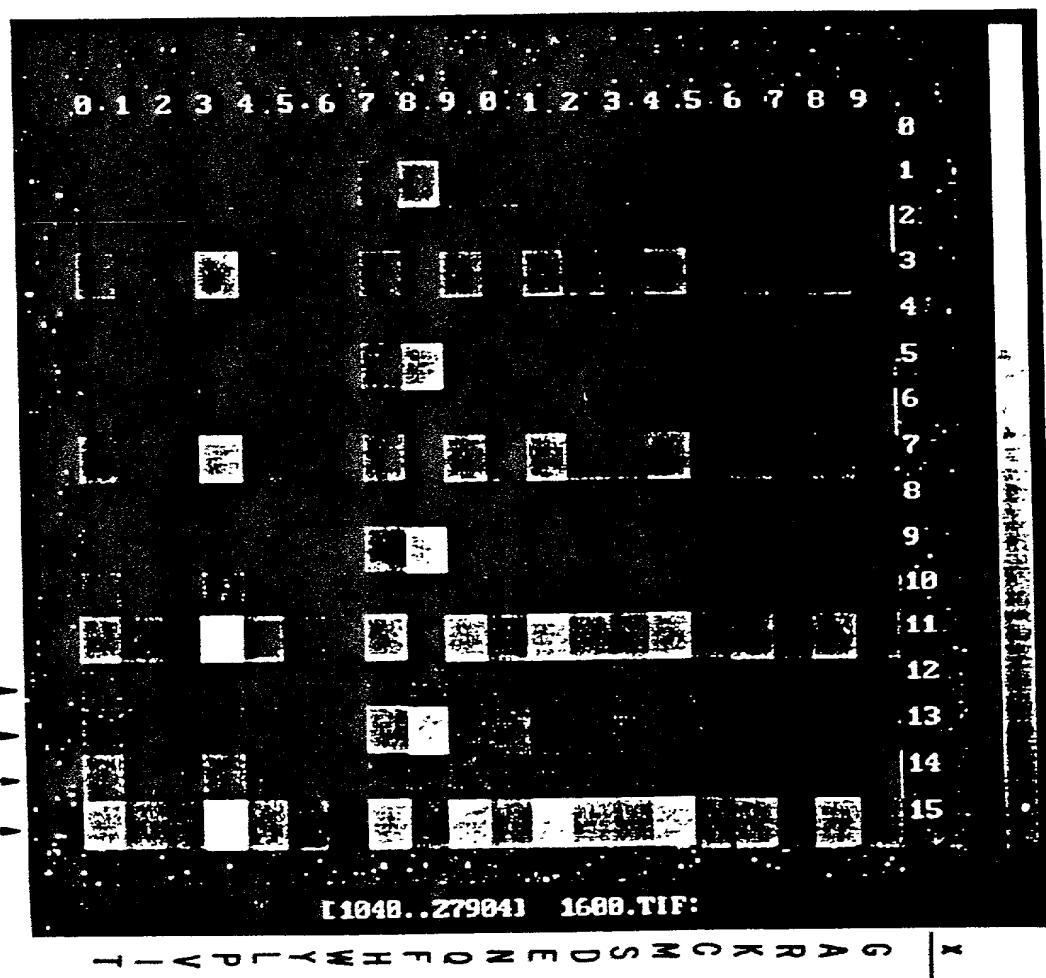


FIG. 32.

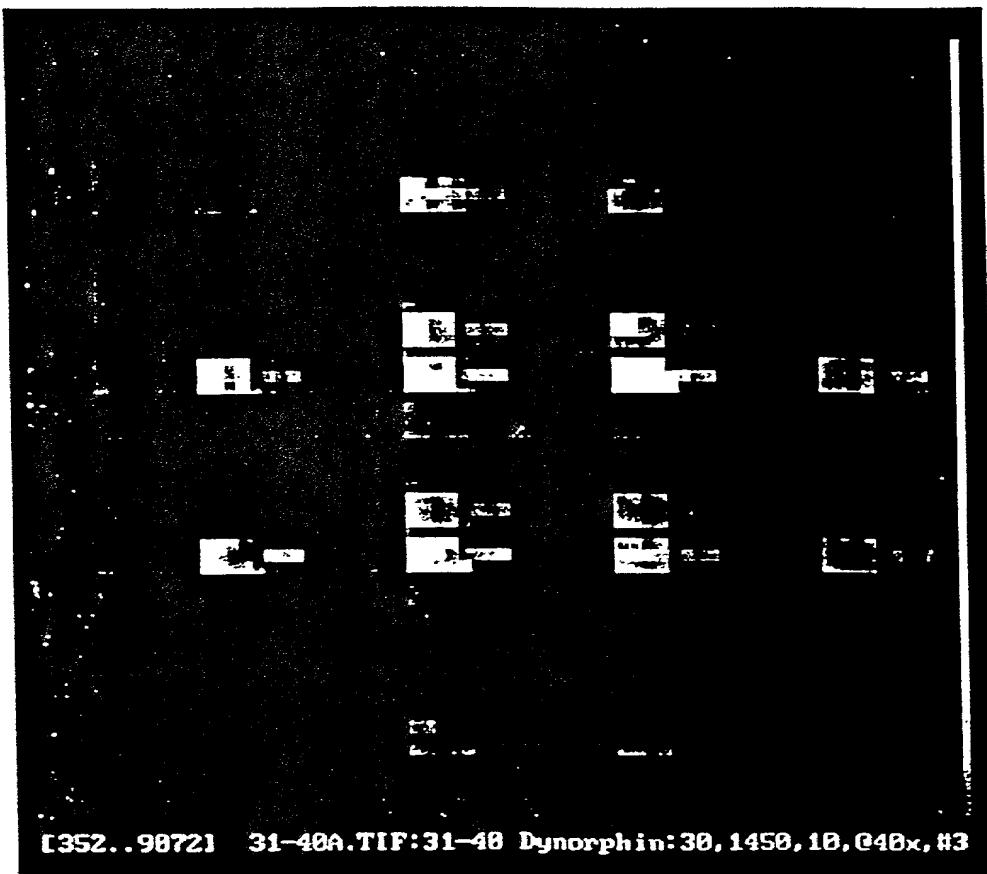


FIG. 33.

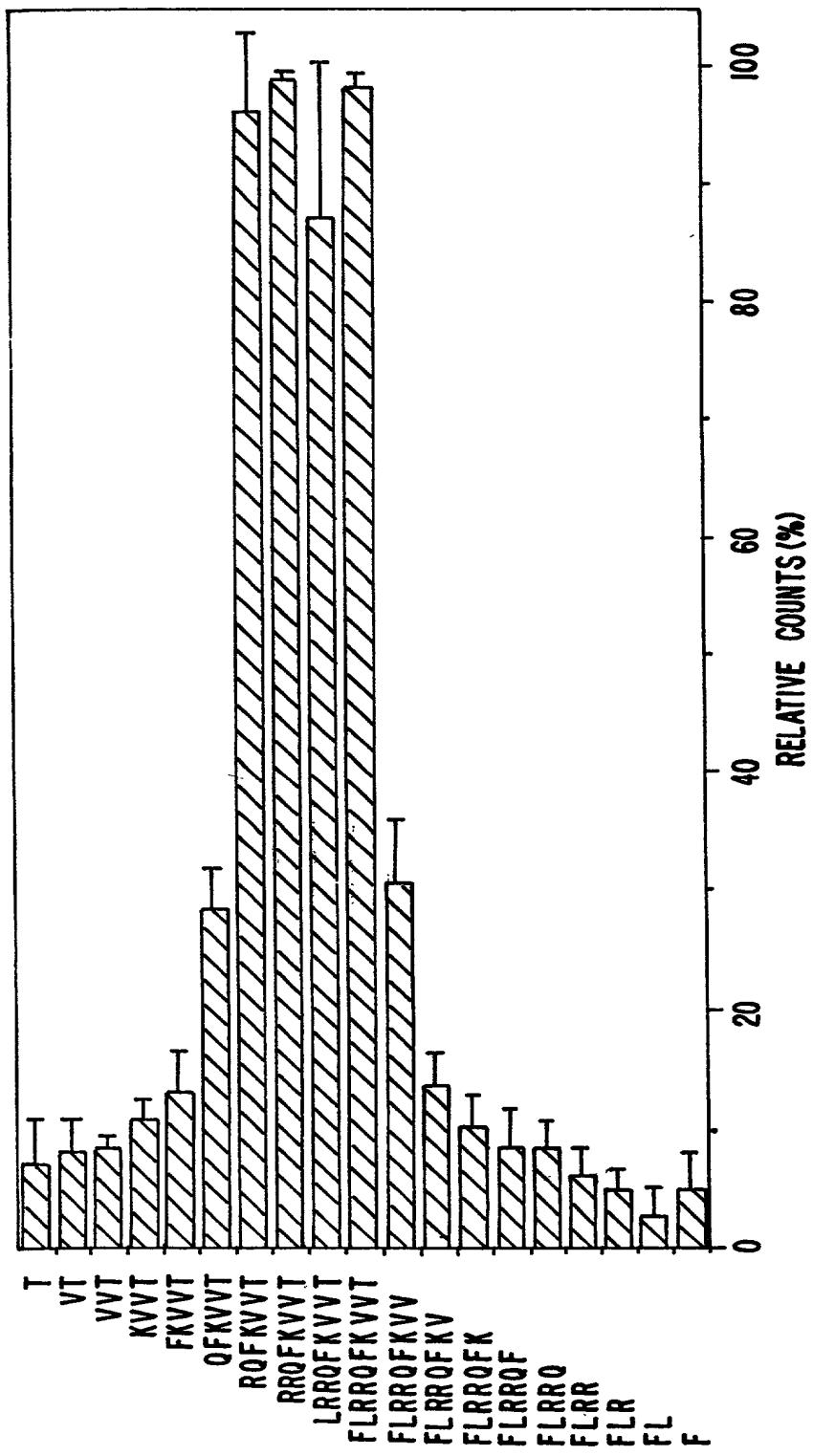


FIG. 34.

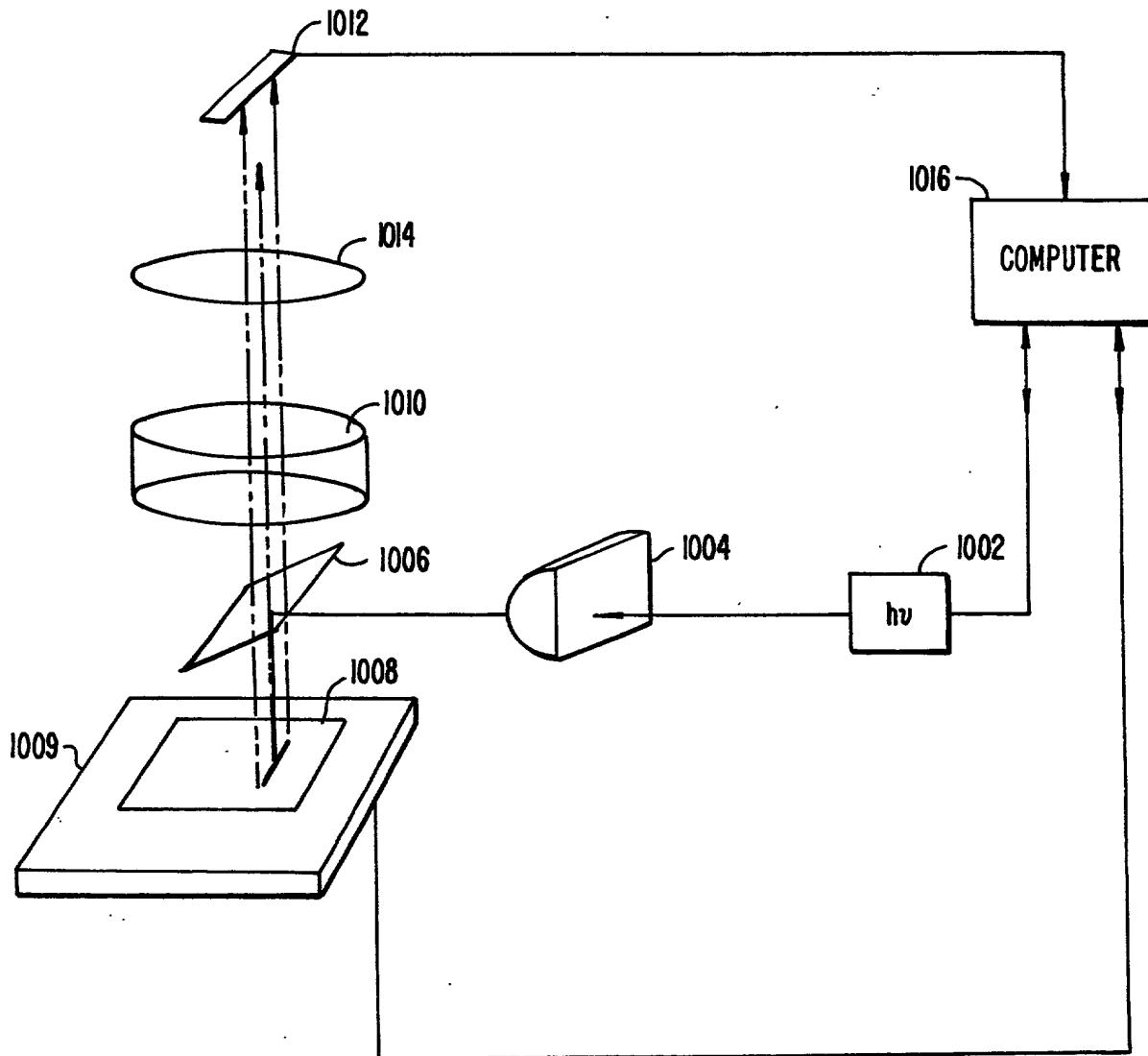


FIG 35.

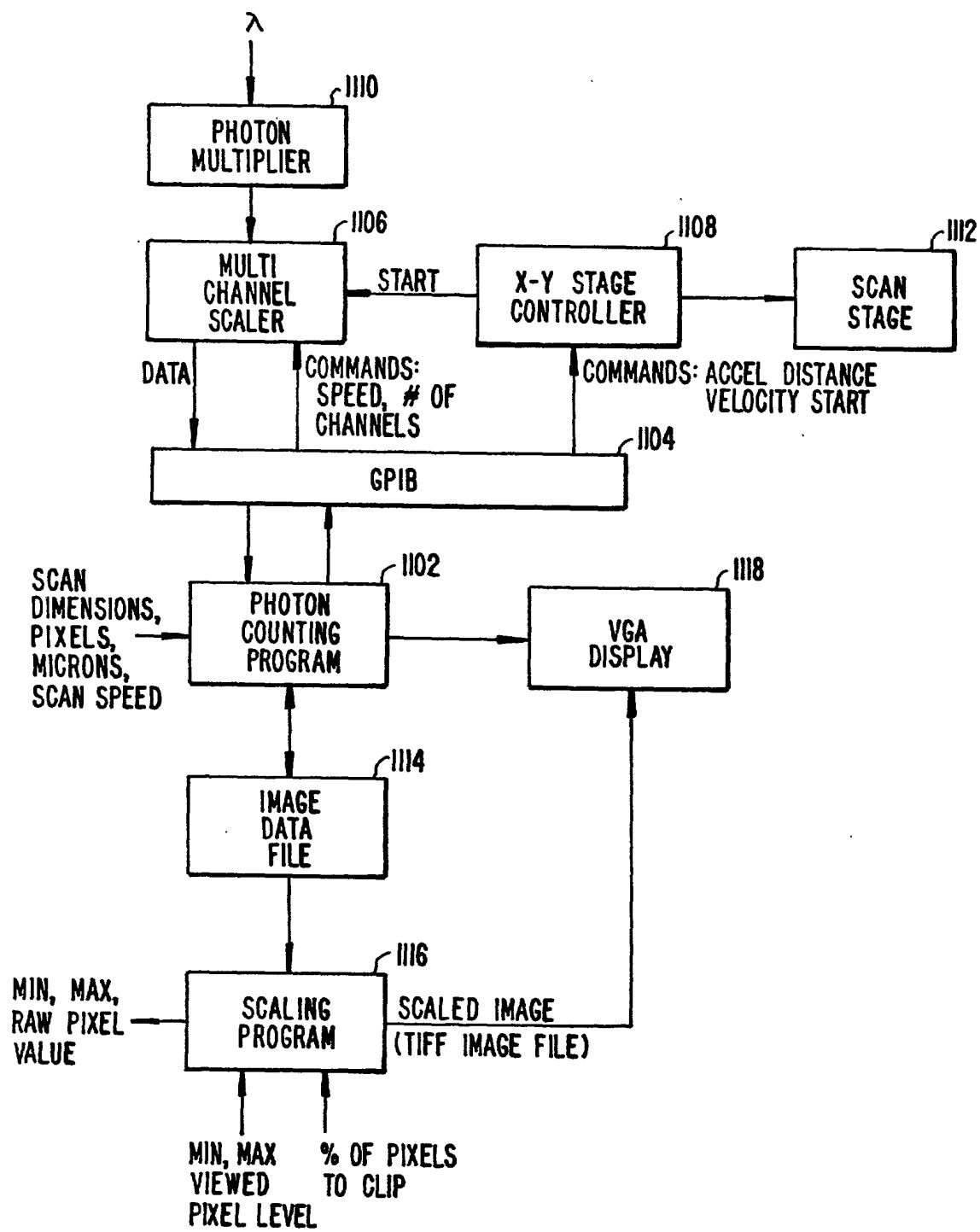


FIG. 36.

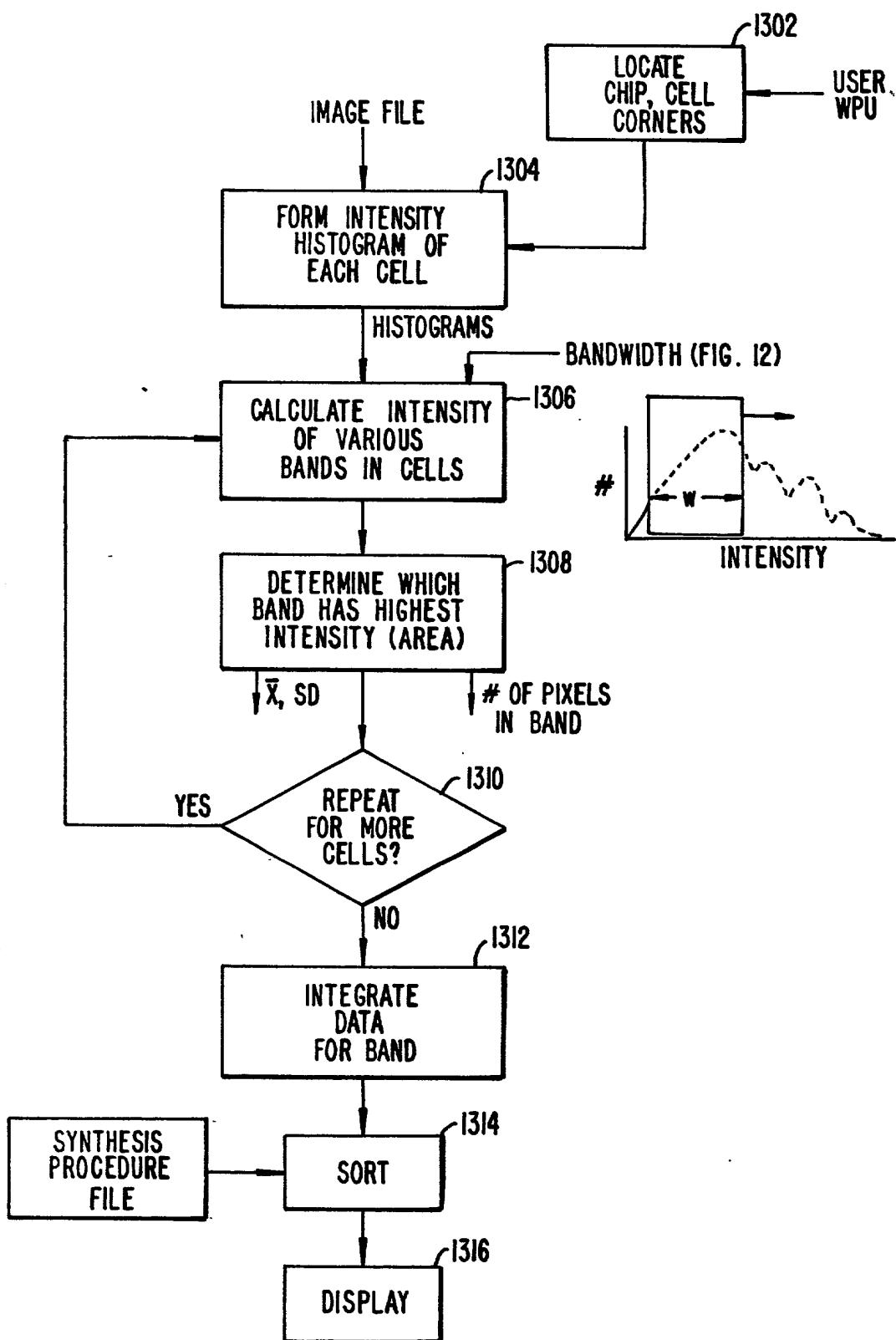


FIG. 37.

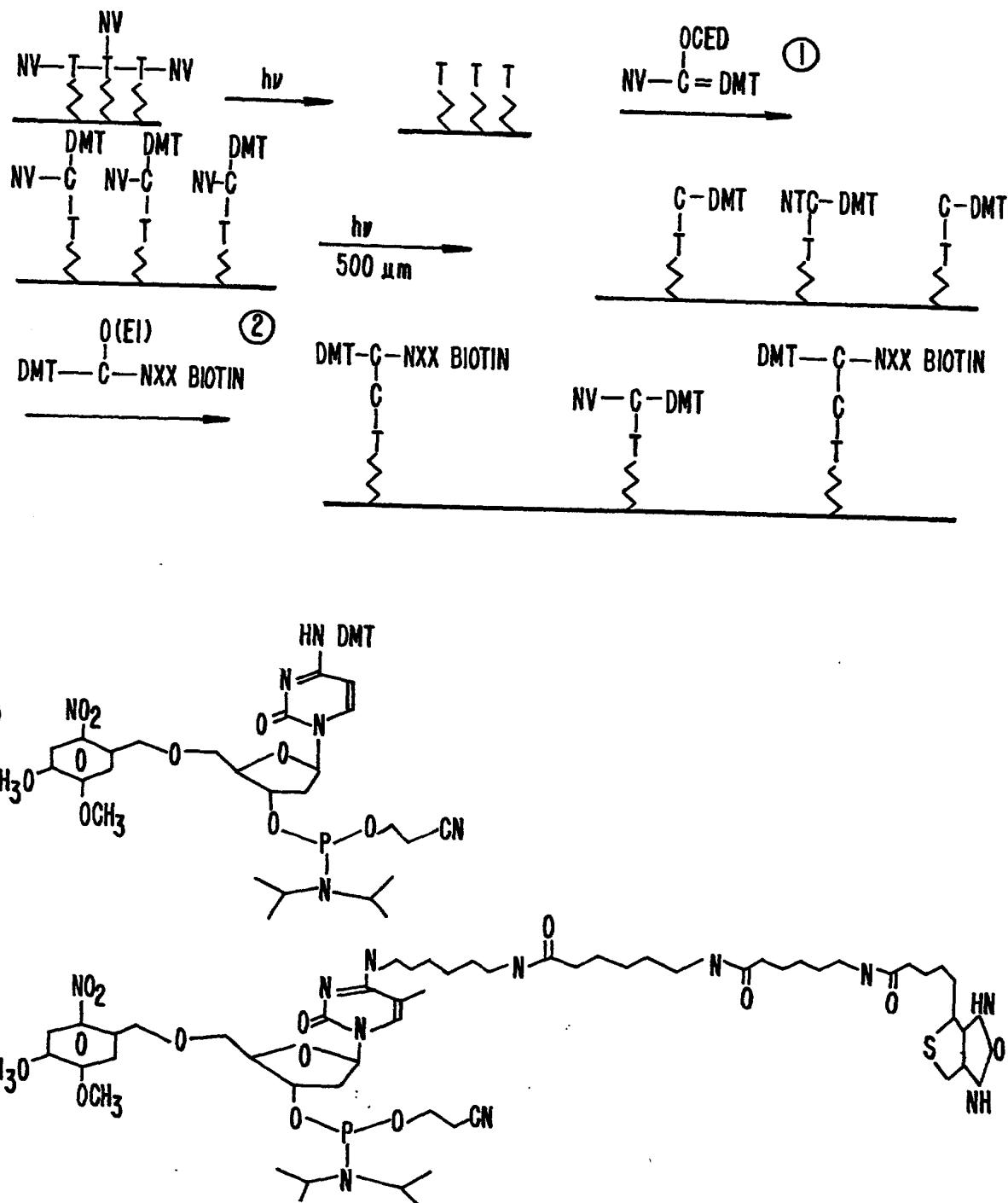


FIG. 38.

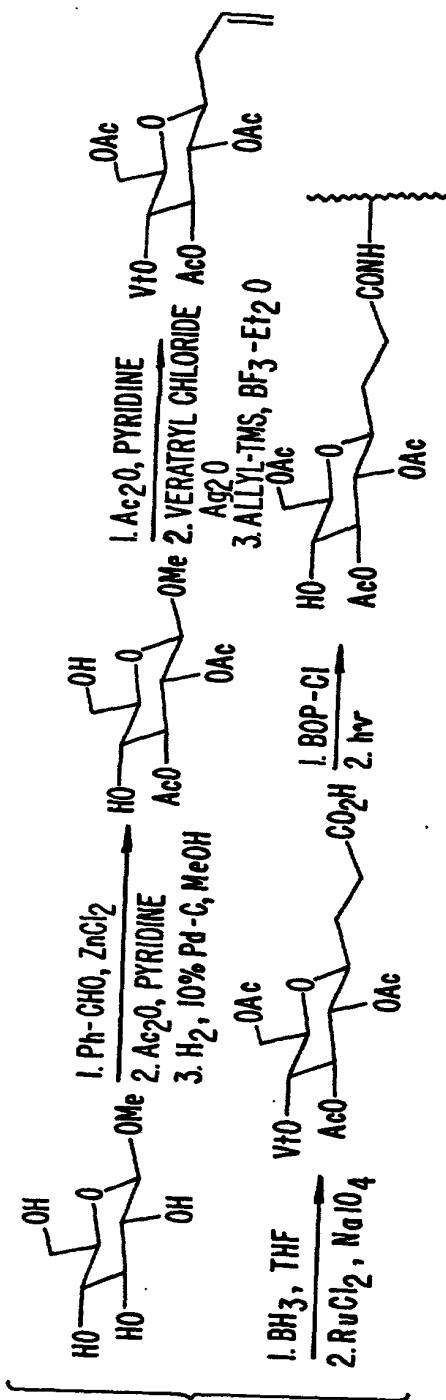


FIG. 40A.

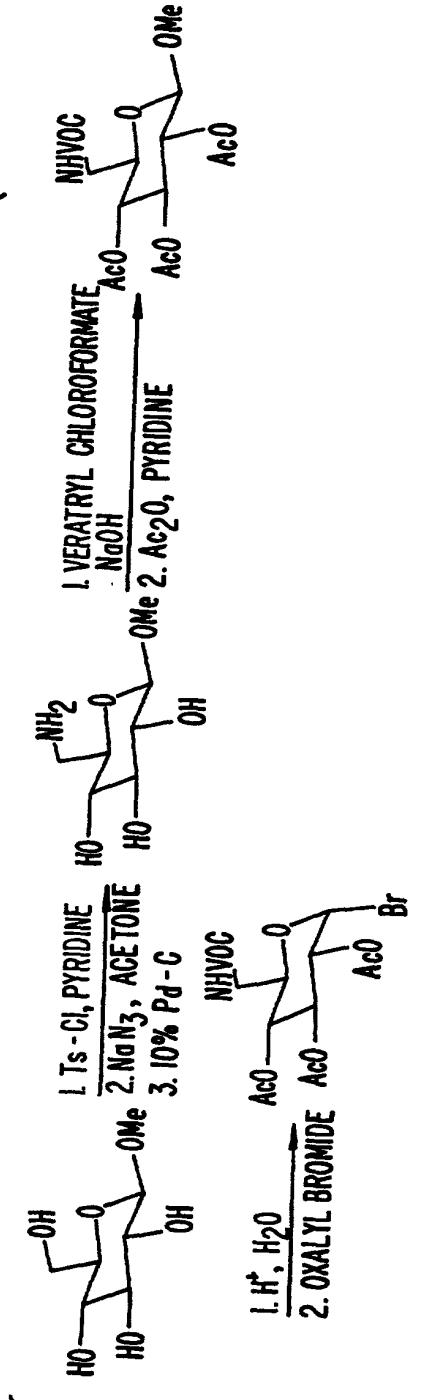


FIG. 40B.

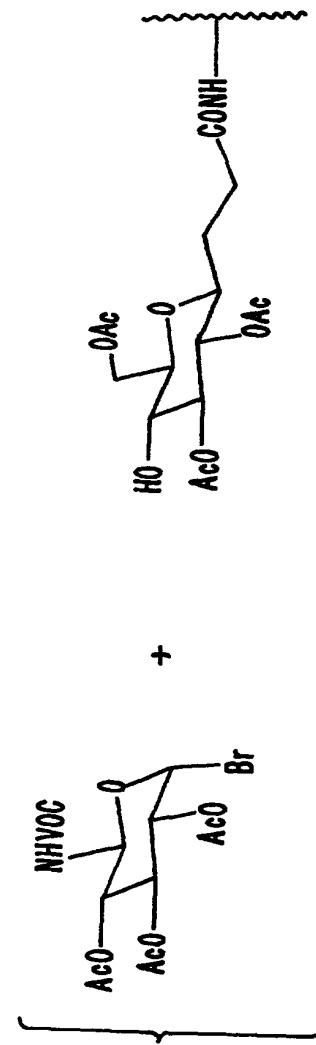
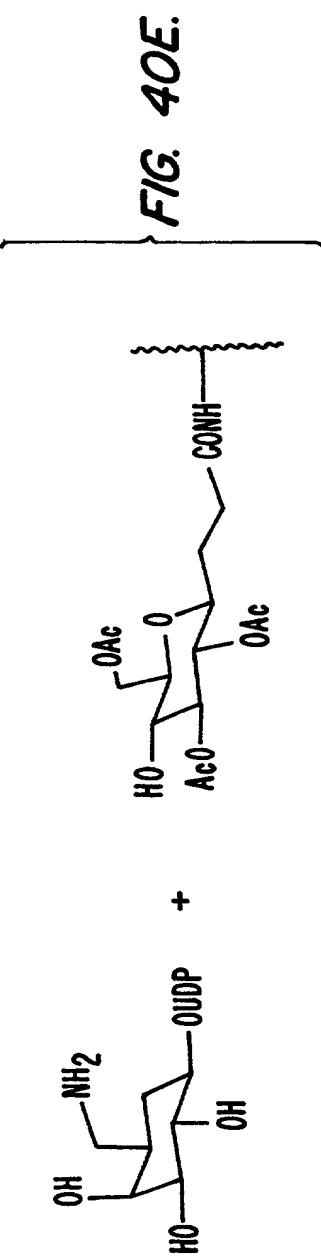
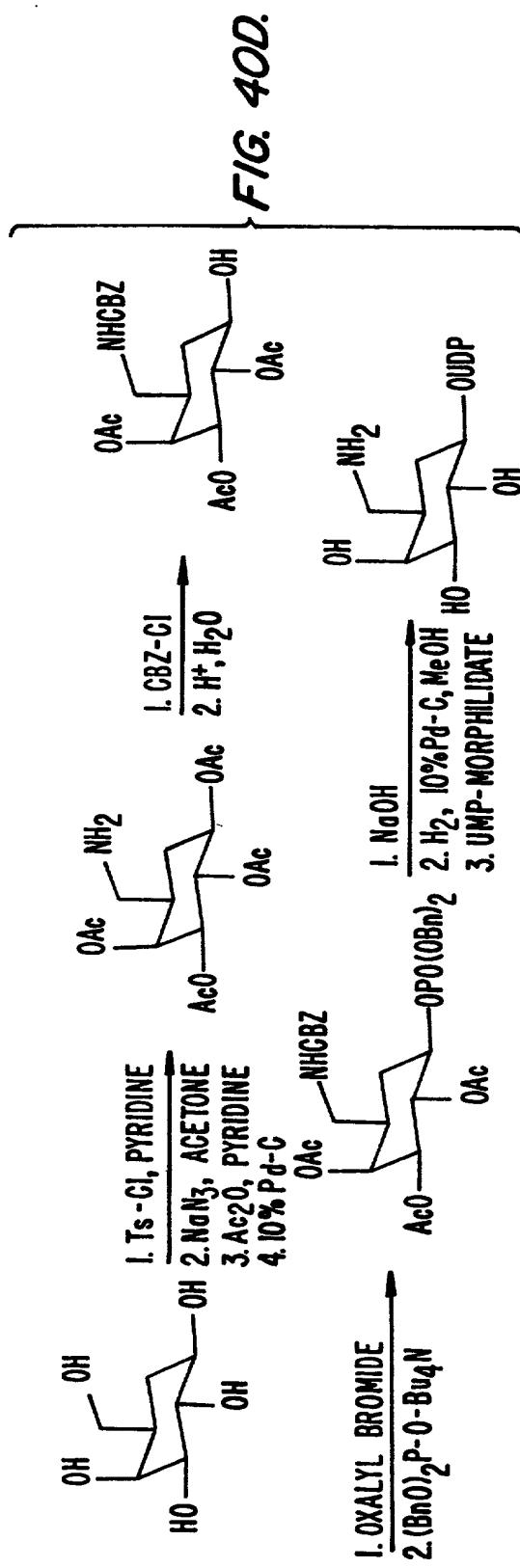


FIG. 40C.



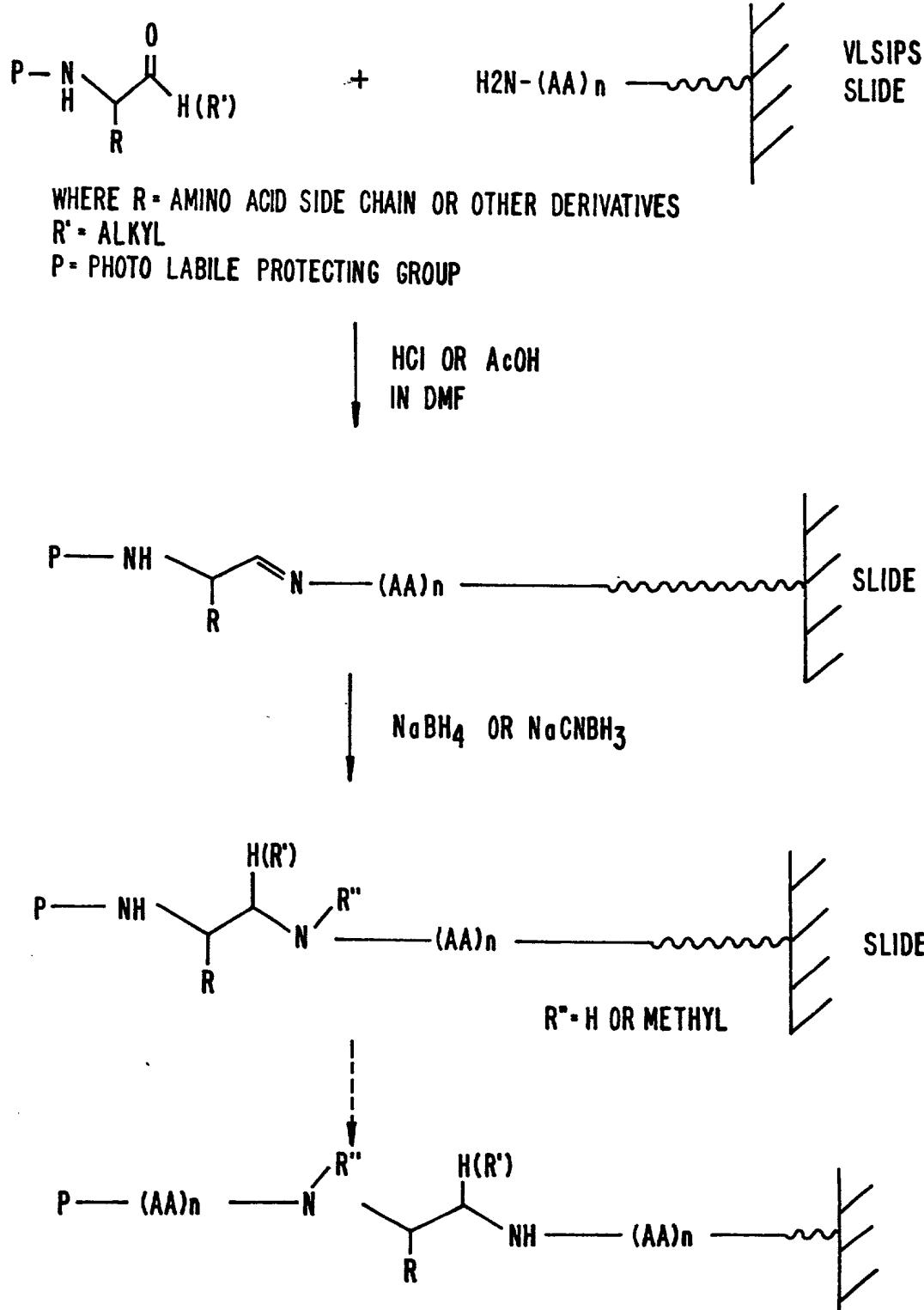


FIG. 41.